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Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 138
Number 25

December 16, 1940

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Boiling Point, 100 mm.	265° C
Solubility in Water	15°, 50° C—1.4%, 7.0%

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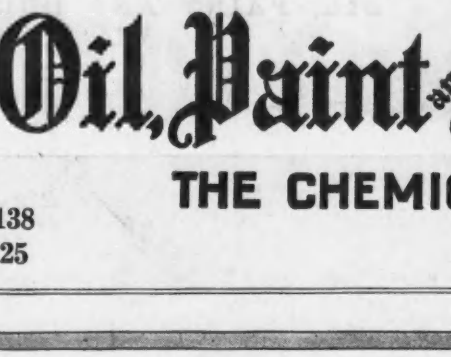

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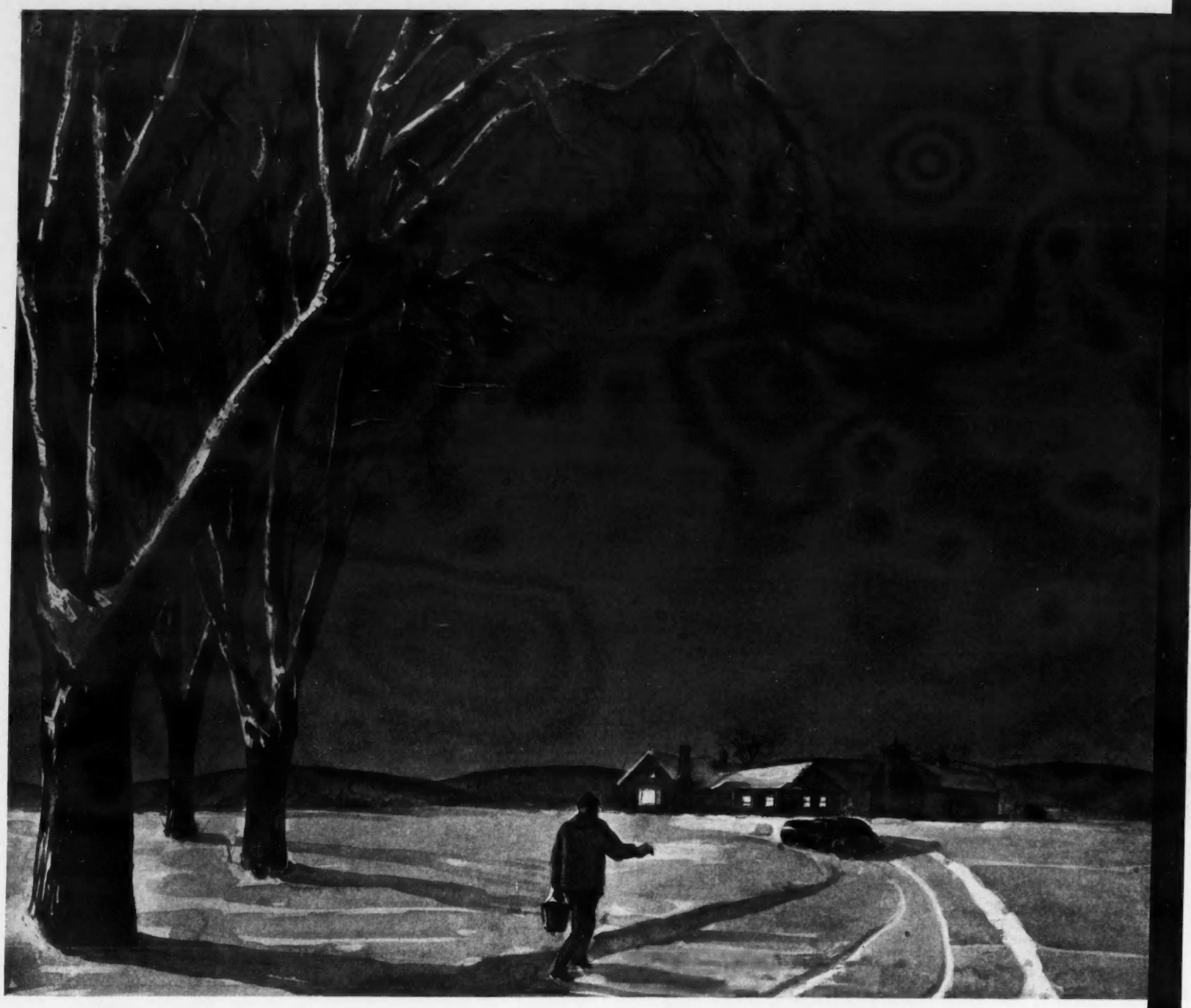

It is not futile that we so live

At Christmas, for the reassuring moment of that fleeting season, senses awaken to the vivid realization that men *are* fellowmen ∞ If we in America are a people of great good fortune it is due to our most characteristic manifestation...not only to "live and let live" but also to help the other fellow to live.

We who are dedicated to chemistry feel that this beneficent science has helped to make our country livable . . . to keep our ideals inviolate ∞ We voice the sentiment of America when we say, "May the Christmas spirit reassert itself world wide, bringing peace on Earth and good will to men . . . *all* men."

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N.D.T.C. Plans To Raise Funds For Pharmacy Schools

Groundwork for a definite and practicable plan for the financing of pharmaceutical educational needs was laid by the National Drug Trade Conference in its annual meeting here today. The conference also took action expressing its opposition to the indiscriminate use of warning and cautionary statements in drug labeling.

The conference under the chairmanship of President Carson P. Frailey was in session during the forenoon and afternoon. Its program covered the customary reports of committees among which that of the committee on endowments and that of the committee on drug law enforcement were

Carson P. Frailey
Re-elected N.D.T.C. President

of particular interest. Drawing from opinions expressed in the first-named report which was presented by R. P. Fischelis the conference adopted the following resolution:—

Whereas, the National Drug Trade Conference believes that carrying to theoretical and technical extremes the application of warning and cautionary

Washington, Dec. 11, 1940

statements in the labeling of drugs and medicines sold directly to the public may create a condition of doubt and distrust of the value of medicinal agents in the minds of the public; and

—Continued on page 47

F.W.D.A. to Meet In This City Feb. 4-6

The annual Winter meeting of the Federal Wholesale Druggists' Association will be held February 4-6, inclusive, at the Hotel Roosevelt, this city. A joint meeting of manufacturers and wholesalers will be held on the morning and afternoon of the second day. The first and last days will be devoted to meetings of active members only.

McK.&R. Reorganization Hearing Set for Dec. 20

A hearing on the objections to the reorganization plan for McKesson & Robbins, this city, proposed by William J. Wardall, trustee, has been set for December 20 by Federal Judge Alfred C. Coxe. The objections were recently filed with the court by the protective committee for debenture holders of the company about to be reorganized.

Cinchona Products Inst. Misrepresentation Alleged

OPD Washington Bureau
December 10, 1940

Cinchona Products Institute, Inc., New York, is charged in a complaint issued by the Federal Trade Commission with misrepresentation. The respondent is a wholly-owned subsidiary and American agent and representative of the Cinchona Institute of Amsterdam, Holland, a foreign corporation engaged in the sale and distribution in the United States and elsewhere of the drug quinine.

As the agent of the Holland concern, the complaint continues, the respondent has for more than two years disseminated advertisements with respect to its principal's product, recommended by the respondent and the Holland concern, for use in the treatment of malaria. In these advertisements in newspapers, periodicals and other media, the respondent is alleged to have represented that "Quinine, is the only cheap, safe and certain remedy." and "* * * the only dependable treatment for malaria is quinine * * *."

The complaint alleges that these representations are false and mis-

—Continued on page 54

Manufacturers Ass'n Asks Unity For Defense and Free Enterprise

The annual "Platform of American Industry," embodying the views of 8,000 members of the National Association of Manufacturers, was adopted at the forty-fifth annual Congress of the American Industry, held in the Waldorf-Astoria, this city, December 11 to 13.

The platform discussed the future of America, the safeguarding of American freedom, and the measures to be taken for preparing the future "when a large army of young men will have completed their military training; when the support provided by the defense program to employment in non-defense occupations will cease."

The platform asked that the practices and policies followed during the existing emergency by business, labor, agriculture and government should be such as to lessen the dangers of a post-war depression or cushion the effects if one should occur.

Discussing national defense, the platform said "it is to the free enterprise system that the people must look if the nation's defenses are to be provided in a manner which will preserve and not destroy the way of life they are designed to defend."

The platform of American Industry which had been formally submitted by Walter D. Fuller, of the Curtis Publishing Company, who was elected president of the association for 1941, follows:—

The Congress of American Industry meets this year profoundly conscious of the dangers which confront the nation in a world torn by war and revolution. The American people in all walks of life—farmer, factory worker, housewife, lawyer, saleswoman, executive, clerk and shopkeeper—all are deeply concerned as to the future of America; the future of themselves and of their children.

Our country is challenged from abroad, but still at peace. It is perplexed by continuing problems within which must be solved. Our people are united in their purpose to make themselves so strong that their liberties and their way of life may be preserved.

We recognize the vital part that American industry must play in securing the strength and welfare of the nation.

Industry Is America

Industry, in the broadest sense, is America at work. It is the production of goods and services by millions of men and women working on farms, in mines, in factories, in offices, in shops. It is the American people themselves who make industry. They provide the capital, they furnish the labor, they consume the output. All have a vital stake in the process.

Well-supported churches, well-equipped schools, comforable homes, busy stores and offices, all depend upon busy farms, mines and factories. The people, in order to maintain their standard of living, want the goods and services that industry can produce. But today they are demanding, in addition, the goods and services with which to build defenses so strong that the nation will be safe against foreign aggression.

It is upon industry that the people must depend if the goods and services for both of these purposes are to be produced; it is to the free enterprise system

—Continued on page 38

U.S. to Study Alfalfa For Chlorophyll Yield

OPD Washington Bureau
December 11, 1940

Alfalfa is to be investigated as an important source of protein, and as a crop yielding carotene, chlorophyll, and hemicellulose as valuable by-products, Dr. Henry G. Knight of the Department of Agriculture stated in commenting on the expanded program of research now getting under way at four regional laboratories for a study of industrial utilization of farm products. The research program will include pilot plant studies on the production of chlorophyll, proteins, and carotene.

Medical School Research For the Pharmaceutical Industry

By Perrin H. Long, M. D.

Professor of Experimental Medicine, School of Medicine, Johns Hopkins University

Address delivered December 9 in Washington upon receipt of scientific award of American Pharmaceutical Manufacturers Association for 1940

Instead of talking to you today about sulphamilamide and its derivatives, I have chosen to discuss a field in which, while I might not legally be able to qualify as an expert, I, nevertheless, have had a good deal of experience, namely, in request to the relation of the pharmaceutical industry to research in medical schools.

During the past ten years with the ever-expanding progress that is being made in the field of therapeutics, the question of both the experimental and clinical evaluation of chemotherapeutic, hormonal, vitamin, and biological products has come greatly to the fore. This rapid expansion has brought increasing responsibilities to the pharmaceutical manufacturer, and these have become even more heavy since the passage of the recent food and drug act. This has led to a growing spirit of cooperation between your industry and the universities for the general purpose of placing properly controlled products in the hands of the medical profession.

Another factor which is leading to closer cooperation between industry and the universities is the fact that, like all other institutions, universities have suffered financially in the past ten years, and in many instances due to the lack of supplementary endowment funds and a constantly falling rate of income from well-invested funds, the universities have seen fit to abandon what some have called the "Holier Than Thou" attitude, and to willingly, if not under certain circumstances, gladly, accept financial aid for specific projects from members of the pharmaceutical industry. I might say in this respect that in going over the treasurer's report of a prominent medical school for the year 1939-40, I find that the pharmaceutical industry contributed $39,565 for the aid of

Dr. Perrin H. Long

specific projects. It would be interesting to know how much the industry contributed as a whole last year to medical research in the various medical schools and hospitals of this country, because it would probably be a large sum.

—Continued on page 34

Callan, Toohy on N.Y. Trade Board Directorate

William Callan, president of the American Plastics Company, and John J. Toohy, manager of distribution for E. R. Squibb & Sons, were elected new directors, and James C. Chilcott, president of the Maltine Company, and Francis J. McDonough, president of the New York Quinine & Chemical Works, were re-elected directors of the New York Board of Trade at the sixty-eighth annual meeting held at a luncheon at the Hotel Astor. All four were elected for full three-year terms.

Other drug and chemical executives serving on the board of directors include:—William D. Barry, New York manager of Mallinckrodt Chemical Works; Philip M. Dinkins, vice-president of the American Cyanamid & Chemical Corporation; Ralph E. Dorland, Eastern sales manager of the Dow Chemical Company; Joseph A. Huisking, assistant to the president of Frizsche Brothers; and Percy C. Magnus, president of Magnus, Mabee & Reynard, Inc.

Closing Markets

London Closing Cable

LONDON, Dec. 13, 1940

Carnauba wax up 10 shillings to 425s. per hundredweight. Quicksilver, £48 to £50 per flask.

Santonin Demand Stirring

Demand for santonin is stirring earlier than usual and under the rise of inquiries and sales, values were poised firmly on the higher basis of $150 to $155 per kilo.

Gentian Root Rising

Dwindling spot stocks of gentian root sold at advancing values late last week. Whole was quoted 38c. to 40c. per pound; ground, 41c. to 43c.; powdered, 42c. to 44c. Practically all foreign sources of supply have been cut off by the war.

Tartar Emetic Higher

Prices on tartar emetic were advanced 2c. per pound late last week, making technical fine granular 36¾c. per pound in 5 barrel or more lots; smaller lots, 37c. Powder, 5 barrels or more, 36¾c.; smaller lots, 37c. USP powder, 42c.

Sales Lower in Oct.

Domestic sales of wholesalers, and shipments by manufacturers of chemicals, oils, and drugs were mixed during October, 1940, as compared with the same month in 1939, according to data compiled by the Department of Commerce. Wholesale sales in paints and varnishes, and drugs and drug sundries showed a gain for the period. Wholesale sales and manufacturers shipments for several other fields of the REPORTER showed a decline for the month.

The compiled data also revealed that the inventories of both wholesalers and producers in all classifications were larger at the end of October this year, than at a similar time in 1939. Comparisons for various groups and some single commodities follow:—

Wholesale Sales

	Percentage comparison with Oct., 1939.
Drugs and druggists' sundries	+10.0
Industrial chemicals	— 5.0
Paints and varnishes	+ 6.0
Petroleum	— 3.0

Manufacturers' Shipments

Chemicals and allied products	— 1.5
Petroleum refining	— 7.1
Rubber products	— 0.6

Exports

Coaltar chemicals	+16.5
Gas and fuel oils	—47.1
Industrial chemicals	—15.0
Lard	—46.4
Lubricating oil	—37.6
Medicinal products	— 6.9
Motor fuels	—43.0
Naval stores	—65.0
Oilcake and meal	—81.3
Petroleum, crude	—24.2
Pigments	—25.4

Retail Sales

Drug stores, independents	+ 7.0
Chains	+ 7.0
Inventories	+ 7.0
Filling stations, independent	— 2.0

Wholesale Inventries

	Compared at Oct. 30.
Drugs and druggists' sundries	+ 3.0
Industrial chemicals	— 1.0
Paints and varnishes	0.0
Petroleum	—17.0

Manufacturers' Inventories

Chemical and allied products	+18.2
Petroleum refining	+ 7.0
Rubber products	+33.1

Oil Conservation Hearing Postponed Until January

OPD Washington Bureau
December 12, 1940

Additional hearings on the Cole bill (H.R. 7372) for Federal regulation of oil conservation were scheduled earlier this week but today were suddenly postponed until the new session of Congress which convenes in January.

The hearings were set for December 16, 17, and 18, and officials of the National Defense Advisory Commission were to have appeared to discuss the relation of oil conservation to national defense. Extensive hearings were held on the measure last Spring and it was assumed that no further action would be taken at this session.

There was no explanation of the action of the subcommittee of the house interstate and foreign commerce committee in scheduling the additional hearings this late in the session nor of its action in cancelling the hearings two days later.

Chemical Price Trends Stronger

Additional strength was given the price trend in the markets for heavy and fine chemicals last week by another advance in prices of tartrates. This raised the level in the fine division in spite of a reduction in quicksilver, but it had no perceptible effect on the general average.

Contract schedules were carried to the first quarter of 1941 on silicates of soda and on saltpeter. The price of cinchopen will start 1941 at a higher level.

Buying was steady as a general thing, and little yearend easing off was noticeable. Shipments were somewhat behind in certain lines, especially in chemicals for metallurgical processes.

Prices were advanced on tartaric acid, cream of tartar, rochelle salt, seidlitz mixture, tartar emetic, barium fluoride, santonin, secondary butyl acetate and alcohol, isopropyl alcohol, gum turpentine, imported egg albumen and yolk, and hoofmeal at Chicago.

Prices were reduced on quicksilver, American process leaded zinc oxides, paranitroanilin, ephedrine and its salts, Colombian divi divi, J1 and J2 myrobalans, gum rosin, domestic dried blood, and tankage at Chicago.

The REPORTER's composite index number of prices for heavy and fine chemicals remained at 130.6 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 92.5, compared with 90.1 at this time last year and 88.9 in 1938.

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Alcohol Production Reported for 1939-40

Production of ethyl alcohol amounted to 243,727,756 proof gallons, compared with 201,017,546 proof gallons produced in the fiscal year 1939 and 201,033,858 proof gallons produced in the fiscal year 1938, according to the Bureau of Internal Revenue. Withdrawals in the fiscal year 1940 exceeded production by 8,092,972 proof gallons, and amounted to 251,820,728 proof gallons, compared with 201,731,498 proof gallons in the fiscal year 1939 and 196,878,568 proof gallons in the fiscal year 1938.

Ethyl Alcohol

Operations of Plants and Warehouses

(Number of plants operated, 37 in 1939-40; 36 in 1938-39; number of bonded warehouses, 65 in 1939-40; 63 in 1938-39.)

	†Proof gallons— 1939-40.	1938-39.
Production	243,727,756	201,017,546
Removed to bonded warehouses	242,128,867	200,055,093
Withdrawals from bond, total‡	251,820,728	201,731,498
Tax-paid	24,344,306	22,150,969
Tax-free, total	227,476,422	179,580,529
For denaturation‡	223,321,704	175,644,641
For hospital and scientific use	2,033,903	1,931,695
For use of U. S. and subdivisions	1,224,504	1,057,712
For export	196,284	198,396
For medicinal, beverage and other authorized uses in Puerto Rico	700,027	748,085
Losses in warehouses	496,294	496,086
Losses in transit	42,813	38,188
Stocks in bonded warehouses June 30§	21,798,554	30,860,351

—Continued on page 27

Steudel President Of Sherwin-Williams

Arthur W. Steudel, who has been vice-president and general manager of the Sherwin-Williams Company since 1937, was elected president at the annual meeting of the company in Cleveland on December 10, succeeding George A. Martin, who becomes chairman of the board after eighteen years in the presidency. The two directing heads of the largest paint manufacturing organization in the world have worked together closely since Mr. Steudel was hired as an office boy in 1908 by Mr. Martin, who had joined the company in 1891 as Western district manager.

In becoming chairman of the board, Mr. Martin leaves to his successor in the presidency a record of achievement and progress unparalleled in the industry, the 1940 sales volume of Sherwin-Williams having reached an all-time high of more than $100,000,000. The company now has a $4,500,000 plant expansion and improvement program under way.

Announcement was also made that Prof. E. E. Ware, who has been technical adviser to the president, now becomes vice-president and technical

—Continued on page 44

Virginia Pure Paint Law Regulations Issued

The Virginia Department of Agriculture and Immigration, at Richmond, has issued to all manufacturers, its distributors and dealers in paints, turpentine and linseed oil, its regulations covering the Virginia pure paint law, effective July 1, 1941. The rules and regulations are as follows:—

Labeling: The label shall give the manufacturer's name and address, or the name and address of the distributor; and unless otherwise stamped on the container, the net contents in U. S. Standard gallons or fractions thereof; or the net weight avoirdupois. The label shall also give the composition of the paint in percent by weight, preferably broken down as follows:—

Composition of Paint (by weight)

Pigment	%
Vehicle	%
	100.0%

Composition of Pigment (by weight)

Basic carbonate-white lead	%
Basic sulfate-white lead	%
Zinc oxide	%
Titanium barium	%
Magnesium silicate	%
	100.0%

Composition of Vehicle (by weight)

Raw linseed oil	%
Heat treated tung oil	%
Volatile and drier	%
	100.0%

—Continued on page 64

S.O.C.M.A. Discusses Defense Status of U.S.

The position of the United States in the present world scheme was reviewed by Prof. Marston T. Bogert, speaking at the annual gathering of the Synthetic Organic Chemical Manufactureres Association, in the Chemists' Club, this city, December 12. Prof. Bogert delivered his address at the dinner which followed the annual meeting of the association.

August Merz
Re-Elected S.O.C.M.A. President

In the business sessions of the meetings, discussions concerned the activity of the chemical industry in the defense program, the current status of foreign trade as regards synthetic organic chemicals, and recent legislative trends in federal and local government. Approximately one hundred representatives of members were present at the meeting and annual dinner.

Association Work Reviewed

The activity of the association in behalf of its members during the past year was reviewed by Charles A. Mace, secretary of the group. Important functions were reported as follows:

It is pleasant to be able to report that the attendance at the general luncheon meetings of 1940 was very good and we had a very fine turnout at the annual

Charles A. Mace
Re-Elected S.O.C.M.A. Secretary

outing last June at Skytop, nearly a hundred members and friends from this association alone attending. The 1940 attendance record at all meetings is as good as any previous year.

The Association's cooperation with the United States appraiser's staff and the customs laboratory of the Treasury Department as well as the Department of Statistics proceeds in its usual mutually beneficial manner.

The peculiar unforeseen problems that have arisen incidental to the European war conditions have made the general and special information and services of the association more important than

—*Continued on page 37*

Milk Federation Criticizes F.D.A.

OPD Washington Bureau
December 10, 1940

A resolution condemning recent administrative constructions of the food, drug and cosmetic act was passed at the twenty-fourth annual convention of the National Cooperative Milk Producers Federation, held in Nebraska last week.

The federation was referring to Food and Drug Administration recommendations that certain foods carry increased information on their labels. The federation protested that the regulations would be impractical and costly, since they would require milk bottles to carry additional labels of little value to the consumer.

The federation also opposes administration designation of dried skim milk by that name; the milk producers would prefer "dry milk solids not over 1½ percent fat."

The text of the resolution reads as follows:—

We oppose what we believe to be unreasonable, impractical and extra-legal administrative constructions of the Federal food, drug and cosmetic act which threaten to disrupt the marketing practices of the dairy industry and which will seriously impede producer efforts to secure the increased consumption of dairy products through consumer advertising programs designed to acquaint the consuming public with the nutritional value of dairy products.

Burgess Named Assistant Commerce Under Secretary

OPD Washington Bureau
December 12, 1940

Appointment of Dr. Eugene W. Burgess as assistant to the Under Secretary of Commerce was announced today. Dr. Burgess was born on July 21, 1898, in Joliet, Illinois. Educated at Lehigh University, from which he was graduated with B.S. and M.S. degrees in economics, and from the Universite de Lyon, in France, where he received a doctor's degree in economics, he was employed at intervals by the United States Steel Corporation and the Field, Glore & Co. Dr. Burgess entered the government service in 1933 as economic advisor to the director of processing and marketing in the Agricultural Adjustment Administration.

A.P.M.A. Discusses Research, New Drugs and Defense Needs

Washington, Dec. 10, 1940

Information on the regulatory interpretation of the food, drug, and cosmetic act was the last in a series of useful contributions to the midyear meeting of the American Pharmaceutical Manufacturers' Association which closed here today. This particular information was presented by

B. F. Ascher
A.P.M.A. President

the association's general counsel, Charles Wesley Dunn, at the closing session.

The other particularly useful information was presented in the main in two groups; one with respect to research in association with the presentation of the scientific award to Dr. Perrin H. Long. The other was in a symposium on defense needs and programs applying to their fulfillment. Third group was in the customary Winter session of the contact committee and the research board. This covered a large variety of assays, from ascorbic acid to thiamine hydrochloride, and was particularly marked by an illustrated address on "The Role of the Pharmacological Laboratory in the Introduction of a New Drug" by Dr. Klaus Unna, pharmacologist at the Merck Institute for Therapeutic Research, who illustrated by example and charted data the services of pharmacological examinations for the identification of drugs, in determination of their therapeutic value and of their safety for administration.

An extra contribution of information was made by Dr. J. J. Durrett, Acting Commissioner of Food and Drugs.

B. F. Ascher, president of the association, was the general presiding officer.

Scientific Award

The association's scientific award for 1940 was presented to Dr. Perrin H. Long, professor of experimental medicine at Johns Hopkins University, in recognition of his fundamental and outstanding contributions to, and leadership in the study of the use of sulphanilamide, sulphapyridin, and related pharmaceuticals in the treatment of disease.

Dr. H. Sheridan Baketel, chairman of the committee on scientific award, presided and opened the session with a recital of the indebtedness of medical practice to research over the last fifty years. The contributory addresses were largely nutritional in tenor. Dr. James S. McLester, professor of medicine at the University of Alabama, told interestingly of the development in recent years of an affirmative dietary procedure replacing the don'ts of earlier years and directed along the lines indicated by the growing knowledge of nutritional deficiencies as a factor in ill-health.

The nutritionist's views on pharmacology were presented by Dr. George R. Cowgill, associate professor of physiological chemistry at Yale University Medical School. Dr. Cowgill, speaking with particular reference to chemical materials, outlined various methods in which the pharmaceutical industry could support fundamental research and contribute to the advances of medical practices. He urged that the industry cooperate to the full extent in the development of U.S.P. and N.F. standards and appropriate scope and in the promotion of

—*Continued on page 63*

Drug Law Label Warnings Analyzed by State Officials

The Food and Drug Administration has revised the suggested warning statements issued to its field chiefs a year ago as guides to what would be aceptable in manufacturers' labels under the food, drug and cosmetic law.

The new suggestions or specimens have been studied by a committee of State drug law enforcement officials Mather of New York, Bailey of Connecticut, and Fischelis of New Jersey) and this committee has submitted to the State officials national association suggestions for the various labeling of certain drugs under State laws modeled upon the Federal Act.

The two sets of specimen warnings were presented to the National Drug Trade Conference December 11, by Dr. R. P. Fischelis as chairman of the special committee on food, drug, and cosmetic legislation and its enforcement.

In the following listings, taken from Dr. Fischelis's report, the new F.D.A. warnings appear first under each drug or group designation and the State officials' suggestions or comments follow in italic type:

Cathartics and Laxatives

I. Cathartic or laxative drugs (except castor oil and phenolphthalein) which act as irritants to the gastro-intestinal tract or stimulate intestinal peristalsis:—

"Warning:—Not to be used when abdominal pain (stomach-ache, cramps, colic), nausea, vomiting (stomach sickness) or other symptoms of appendicitis are present.

"Frequent or continued use of this preparation may result in dependence on laxatives."

II. Castor oil:—

"Warning:—Not to be used when abdominal pain (stomach-ache, cramps, colic), nausea, vomiting (stomach sickness) or other symptoms of appendicitis are present.

"Frequent or continued use of this preparation may result in dependence on laxatives.

"Do not use during pregnancy except on competent advice."

III. Phenolphthalein:—

"Warning:—Not to be used when abdominal pain (stomach-ache, cramps, colic), nausea, vomiting (stomach sickness) or other symptoms of appendicitis are present.

"Frequent or continued use of this preparation may result in dependence on laxatives.

"Important:—If skin rash appears, discontinue use."

IV. Roughage materials (so-called) intended for use in constipation:—

"Important:—All varieties of constipation are not benefited by this preparation. It should be particularly avoided in cases such as spastic constipation in which adbominal discomfort or pain may be present."

1. Cathartic or laxative drugs (including so-called roughage materials intended for use in constipation) which act as irritants to the gastro-intestinal tract or stimulate intestinal peristalsis:

"Caution: Not to be used in case of abdominal pain when accompanied by nausea, vomiting or fever. Consult your physician if you require the frequent or continued use of a laxative."

V. Mineral oil for oral administration:—

—*Continued on page 52*

Bloede Scholarship Won By Ohio State Student

Harvey H. Grice, candidate for a Ph.D. degree in chemical engineering at Ohio State University, has been awarded the Bloede scholarship of the Chemists' Club, this city, for the school year 1940-41. This scholarship, founded in 1916 through the generosity of the late Dr. Victor G. Bloede, was originally given every year. Appointments are now to be made in alternate years; the stipend is $580, payable in semi-annual installments of $290.

Mr. Grice has assisted in the study of problems of crystallization characteristics and their control in salt manufacture. His Ph.D. dissertation is to be on the subject, "The Mechanism of Crystallization in the Industrial Evaporation of Sodium Chloride Brine," which investigation is concerned with the factors affecting brine concentration, the degree of supersaturation maintained in the evaporation of these brines, and the control of crystal characteristics.

The Hoffmann scholarship of the Chemists' Club, established by the late Dr. William F. Hoffmann, will be available for the school year 1941-42. Candidates are limited to men entering the last year of post-graduate work leading to the Ph.D. degree in chemistry or in chemical engineering in an institution of recognized standing. Applications will be considered after January 1, 1941, but will not be accepted after April 15, 1941. Blanks may be obtained from the secretary, Chemists' Club, 52 East Forty-first street, this city.

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The virtually unprecedented enthusiasm which attended the introduction of Sulfanilamide has failed to be diminished by the extensive clinical evaluation to which this remarkable chemotherapeutic agent has been subjected.

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FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE

* 1818 *

Current Market Quotations

December 13, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

RECEIVED DEC 16 1940 LIBRARY THE CHEMISTS' CLUB

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd. lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works lb. .11 - —
5 & 10 gls., works lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works lb. .36 - —
200-lb. lots, works lb. .38 - —
100-lb. lots, works lb. .55 - —
5 to 50-lb. lots, works lb. .70 - —
tech., kgs., 5,000 lbs. a year, works lb. .28 - —
200-lb. lots, works lb. .30 - —
100-lbs. lots, works lb. .45 - —
5 to 50-lb. lots, works lb. .50 - —
Acetanilide, tech., cryst., bbls. lb. .29 - .31
powd., bbls. lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots lb. .33 - —
dms., 25-lb. lots lb. .38 - —
kgs., 2,000-lb. lots lb. .33 - —
smaller lots lb. .34 - —
powd., bbls., 2,000-lb. lots lb. .30 - —
smaller lots lb. .31 - —
dms., 25-lb. lots lb. .36 - —
kgs., 2,000-lb. lots lb. .31 - —
smaller lots lb. .32 - —
Acetoacetanilide, dms lb. .47 - .55
Acetone, CP, dms., c.l., dlvd. lb. .07½- —
l.c.l., dlvd lb. .08 - —
tanks, dlvd lb. .06 - —
Methyl (see M).
Acetophenone, bots lb. 1.60 - —
cns., 25 to 50 lbs lb. 1.30 - 1.35
dms., 100 lbs lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs. lb. 1.09 - —
50 lbs lb. 1.02 - —
25 lbs lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville lb. .08¾- —
l.c.l., same terms lb. .09 - .12
Acetic, com'l or redist., 28%, bbls. 100 lbs. 2.23 - 2.48
cbys., cs. 100 lbs. 2.73 - 2.98
56%, bbls. 100 lbs. 4.15 - 4.40
cbys., cs. 100 lbs. 4.65 - 4.90
70%, bbls. 100 lbs. 5.17 - 5.42
cbys., cs. 100 lbs. 5.67 - 5.92
80%, bbls. 100 lbs. 5.89 - 6.14
cbys., cs. 100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys. 100 lbs. 14.00 - —
99.5% bbls. 100 lbs. 7.62 - 7.87
l.c.l., same terms lb. .09 - —
cbys. 100 lbs. 8.12 - 8.37
tanks 100 lbs. 5.00 - 5.50
USP, bbls. 100 lbs. 10.25 -10.50
cbys. 100 lbs. 10.75 -11.00
synth., 99.5%, al. dms. 100 lbs. 8.43 - 8.68
tanks 100 lbs. 5.50 - —
USP XI, al. dms. 100 lbs. 10.25 -11.00
C.P., dms. 100 lbs. 13.50 -14.00
pure, 30%, bbls. 100 lbs. 3.28 - 3.53
cbys., cs. 100 lbs. 3.78 - 4.03
36%, bbls. 100 lbs. 3.66 - 3.91
cbys., cs. 100 lbs. 4.16 - 4.41
60%, bbls. 100 lbs. 6.15 - 6.40
cbys., cs. 100 lbs. 6.65 - 6.90
80%, bbls. 100 lbs. 7.68 - 7.93
cbys., cs. 100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply div'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld. lb. .10½- .11¼
l.c.l., dms., frt. alld. lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls. lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls. lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works lb. .31 - —
Anthranilic, refd., bbls lb. 1.15 - 1.20
tech., bbls lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs lb. .20 - .22
Ascorbic, bots., dms. oz. 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works 100 lbs. 1.95 - —
1-9, E. works 100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs lb. .55 - —
900 lbs. or less lb. .58 - .59
dms., 4,000 lbs. or more lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld. ton. 96.50 - —
bgs., c.l., frt. alld ton. 96.00 - —
ton lots, ex whse ton. 108.00 - —
less than ton lots, ex whse ton. 113.00 - —
bbls., c.l., frt. alld ton. 106.00 - —
ton lots, ex whse ton. 118.00 - —
less than ton lots, ex whse ton. 123.00 - —
powd., bgs., c.l., frt. alld. ton. 101.00 - —
ton lots, ex whse ton. 113.00 - —
less than ton lots, ex whse ton. 118.00 - —
bbls., c.l., frt. alld ton. 111.00 - —
ton lots, ex whse ton. 123.00 - —
Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse ton. 128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va. lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .21 - —
Broenner's bbls lb. 1.11 - —
Camphoric, cns lb. 7.00 - —
Capric, dms lb. .12 - .13
Caproic, dms., works lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms lb. .17½- —
Castor oil, split, dms lb. .14½- .15½
Chlorosulphonic, d m s., c.l., works lb. .0350- —
5-drum lots, works lb. .04 - —
single drum lb. .05 - —
tanks, works lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y. lb. .15½- —
l.c.l., 5 tons, dlvd., N. Y. lb. .15¾- —
smaller quantities, dlvd., N.Y. lb. .16¼- .17¼
Cinnamic, refd., bots lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt lb. .23 - —
smaller lots lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls lb. .57 - —
Coconut oil, dms lb. .10 - .10½
Corn, dist., dms lb. .08¼- .08¾
Cottonseed oil, dist., dms lb. .06¾- .07¼
tanks lb. .06¼- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald. gal. .68 - —
l.c.l., same basis gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald. gal. .71 - —
l.c.l., same basis gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald. gal. .68 - —
l.c.l., same basis gal. .70 - —
special blends (50%, 204°-206°), dms, c.l., works, frt. equald. gal. .71 - —
l.c.l., same basis gal. .73 - —
imported, pale, dms gal. .63 - .65
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S. gal. .43 - —
l.c.l., same basis gal. .44 - .45
tanks, dlvd., East. U.S. gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S. gal. .49 - —
l.c.l., same basis gal. .50 - .51
tanks, dlvd., East. U.S. gal. .448 - —
Crotonic, x0 bbls. or more, dlvd. lb. .21 - —
smaller lots, dlvd lb. .26 - —
smaller containers, dlvd lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works lb. .10¼- —
l.c.l., 25 cbys. and over lb. .11 - —
1-24 cbys lb. .11¼- —
Fumaric, bbls., 1-ton delivery lb. .24 - —
smaller lots lb. .25 - .28
Gallic, tech., bbls lb. .90 - .95
N.F. VI, bbls., 200 lbs., 5 or more lb. 1.07 - —
single bbls lb. 1.10 - —
fib. dms., 25 lbs lb. 1.16 - —
Gamma, bbls lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs. lb. .12 - —
100-lb. kgs lb. .15 - —
25 or 50-lb. demijns lb. .21 - .28
5-lb. bots lb. .29 - —
H, bbls lb. .45 - —
Hydriodic, 45-47%, cbys lb. 2.42 - —
5-lb. bots lb. 2.63 - —
57%, bots lb. 2.90 - —
Hydrobromic, 10% dilute, cby. lb. .20 - —
concentrated, 34%, cby lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works lb. .80 - 1.00
Hydrofluoric, 30%, bbls lb. .06 - .06½
rubber, dms lb. .08 - .08½
48%, lead, cbys lb. .12 - —
rubber, dms lb. .11 - —
52%, lead, cbys lb. .13 - —
rubber, dms lb. .12 - —
60%, lead, cbys lb. .14 - —
rubber, dms lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls. lb. .09 - .09½
Hypophosphorus, USP, 30%, djns. lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works 100 lbs. 2.50 - —
l.c.l., works 100 lbs. 2.75 - —
cbys., works 100 lbs. 2.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works 100 lbs. 5.75 - —
cbys., works 100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works 100 lbs. 3.75 - —
cbys., works 100 lbs. 4.75 - —
44%, bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.75 - —
cbys., works 100 lbs. 7.75 - —
50%, edible, 20 or more, cbys. lb. .16½- .11¼
5 to 19, cbys lb. .11 - .12
1 to 4, cbys lb. .11½- .12½
Acid, lactic, plastic grade, bbls., cbys., 50 or more lb. .12¼- .13½
5 to 10, cbys lb. .12¾- .13¾
1 to 4, cbys lb. .13¼- .14½
80%, bbls., cbys., 5 or more lb. .21 - .22
1 to 4, cbys lb. .21½- .22½
USP, XI, 85%, cbys lb. .42 - .45
USP, VIII, 75%, cbys lb. .40 - .43
Lauric, dist., tech., dms lb. .12 - .12½
Laurent's, bbls lb. .45 - —
Linseed oil, light, dms lb. .12¼- .12¾
Maleic, powd., dms lb. .30 - —
anhydride, dms., c.l lb. .25 - —
l.c.l. lb. .26 - —
Malic, powd., kegs lb. .47 - —
Mandelic, bots lb. 2.30 - —
dms., 1,000 lbs lb. 2.06 - —
smaller lots lb. 2.10 - 2.15
Mixed, tanks, nitric unit lb. .05 - .06
sulphuric unit lb. .0085- .009
Molybdic, kegs, works lb. .95 - 1.10
Monochloracetic, tech., bbls. lb. .15 - .18
Monosulphonic, bbls lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.50 - —
l.c.l., 25 and over, E. works 100 lbs. 1.75 - —
10 to 24, works 100 lbs. 1.85 - —
1 to 9, works 100 lbs. 2.45 - —
tanks, works 100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works 100 lbs. 2.10 - —
1 to 9, works 100 lbs. 2.70 - —
tanks, works 100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works 100 lbs. 2.60 - —
1 to 9, works 100 lbs. 3.20 - —
tanks, works 100 lbs. 1.65 - —
C.P. dealers, cbys lb. .03½- —
6-lb. bots lb. .17½- —
consumers, cbys lb. .06 - —
6-lb. bots lb. .19 - —
Myristic, dist., dms lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works lb. .06½ Nom.
l.c.l., works lb. .07 Nom.
tanks, works lb. .06 Nom.
220 min. acidity, dms., c.l., works lb. .09 Nom.
l.c.l., works lb. .09½ Nom.
tanks, c.l., works lb. .08 Nom.
240 min. acidity, dms., c.l., works lb. .10 Nom.
l.c.l., works lb. .10½ Nom.
tanks, works lb. No prices
Nicotinic, 25-lb. cns lb. 11.00 - —
5-lb. bots lb. 11.50 - —
1-lb. bots lb. 12.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works 100 lbs. 5.25 - —
10 to 24, works 100 lbs. 5.35 - —
1 to 9, works 100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works 100 lbs. 5.75 - —
l.c.l., 25 and over, E. works 100 lbs. 5.75 - —
10 to 24, works 100 lbs. 5.85 - —
1 to 9, works 100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works 100 lbs. 6.25 - —
10 to 24 works 100 lbs. 6.35 - —
1 to 9, works 100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works 100 lbs. 6.85 - —
1 to 9, works 100 lbs. 7.45 - —
C.P., USP, dealers, cbys lb. .11½- —
7-lb. bots lb. .21½- —
consumers, cbys lb. .13 - —
7-lb. bots lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over lb. .11 - —
smaller quantities lb. .12 - .14
Palmitic, bgs lb. .09¾- .10¼
Palm oil, white, dist., dms lb. .06¾- .07¼
tanks lb. .06¼- —
Phenylacetic, bots lb. 1.75 - 3.00
Phosphoric, orthe, tech., 50%, cbys. lb. .06 - —
75%, cbys lb. .07½- —
USP, 85%, a. g. 1.710, cbys., 180 lbs. lb. .12 - —
50%, a. g. 1,347, cbys., 70 lbs. lb. .12 - —
dms., 25 lbs lb. .15 - —
10%, dilut., cbys., djns. lb. .07 - .07½
Picramic, kgs lb. .65 - .70
Picric, bbls lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works lb. .14 - —
tanks, works lb. .11 - —
Pyrogallic, tech., lump, powd., bbls. lb. 1.20 - —
cns lb. 1.25 - —
USP, cryst., cns lb. 1.70 - —
resubl., cns lb. 2.20 - —
Pyroligenous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works lb. .27 - —
l.c.l., works lb. .28 - .33
Salicylic, tech., bbls lb. .33 - —
USP, bbls lb. .35 - .40
Sebasic, CP, bbls., works lb. No prices
tech., bbls., works lb. No prices
Soybean oil, dist., dms lb. .08 - .08½
Stearic, dist., double pressed, bgs., dlvd. lb. .09½- .10¼
single pressed, bgs., dlvd. lb. .09 - .10
triple pressed, bgs., dlvd. lb. .12¼- .12¾
saponif., double pressed, bgs., dlvd. lb. .09¾- .10¾
triple pressed, bgs., dlvd. lb. .12½- .13½

Acid, succinic, bbls lb. .75 - —
Sulphanilic, CP, bots., works lb. 1.60 - 1.65
tech., dms., works lb. .17 - —
Sulphonaphthenic, dms lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works 100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works 100 lbs. 1.60 - —
1 to 9, works 100 lbs. 2.20 - —
tanks, E, works ton. 13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works 100 lbs. 1.85 - —
1 to 9, works 100 lbs. 2.45 - —
tanks, E. works ton. 16.50 - —
98°, tanks, works ton. 17.50 - —
CP, USP, dealers, cbys lb. .06½- —
9-lb. bots lb. .15½- —
consumers, cbys lb. .08 - —
9-lb. bots lb. .17 - —
fuming, 20%, tanks, E. works, ton. 18.50 - —
65%, tanks, E. works ton. 36.00 - —
Tannic, tech., bbls., dms lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots lb. .93 - —
100-lb. lots lb. 1.00 - —
25-lb. lots lb. 1.03 - —
powd., bbls., 1,000 lbs lb. .88 - —
smaller lots lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment lb. .46¼- —
smaller quantities lb. .46¾- —
kgs. lb. .47¼- —
Tobias, bbls lb. .55 - .60
Trichloroacetic, bots lb. 2.00 - 2.50
Tungstic, CP, kgs., works lb. No prices
Chem. grade, kgs., works lb. No prices
Aconite leaves, bls lb. .38 - .42
Root, bls lb. .45 - .50
Aconitine, amorph., bots oz. 23.00 - —
vis. gr. 1.00 - —
cryst., bots oz. 42.00 - —
vis. gr. 1.60 - —
Adeps lanae, anhyd., dms lb. .26½- .27
hyd., dms lb. .24½- .25
Agar, 1, bls lb. 1.50 - 1.65
3, bls lb. No prices
Agaric, white, bls lb. 5.00 - 5.25
Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld. lb. .13 - —
powd., grade A, same basis, ton lots lb. .15 - —
smaller lots, same basis lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld. lb. .55 - .62
import, bgs lb. No prices
Egg, ed., dom., cryst., bbls. lb. .65 - .68
powd., dms., bbls lb. .70 - .75
import, cs lb. .69 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. lb. .111 - —
l.c.l., frt. alld lb. .121 - —
tanks, frt. alld lb. .101 - —
normal, dms., l.c.l., wks lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld. lb. .09 - —
Benzyl, cns lb. .68 - —
drums lb. .63 - —
Butyl, normal, cns., works lb. .14½- .16½
dms., c.l., frt. alld lb. .10 - —
l.c.l., frt. alld lb. .10½- —
tanks, frt. alld lb. .09 - —
tankwagon, frt. alld lb. .09½- —
secondary, dms., c.l., frt. paid E. of Miss. R. lb. .08¼- —
l.c.l., same terms lb. .08¾- —
tanks, same terms lb. .07½- —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms lb. .13 - —
tanks lb. .11½- —
Capryl, pure, dms., works lb. 2.50 - —
tech., dms., works lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. lb. 1.50 - —
500 lbs lb. 1.70 - —
100 lbs lb. 1.80 - —
25 lbs lb. 1.90 - —
5 lbs lb. 2.00 - —
com'l, dms lb. .95 - —
Cinnamic, bots lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E. gal. .32½- —
l.c.l., works, dms gal. .37½- —
tanks, E., works gal. .26½- —

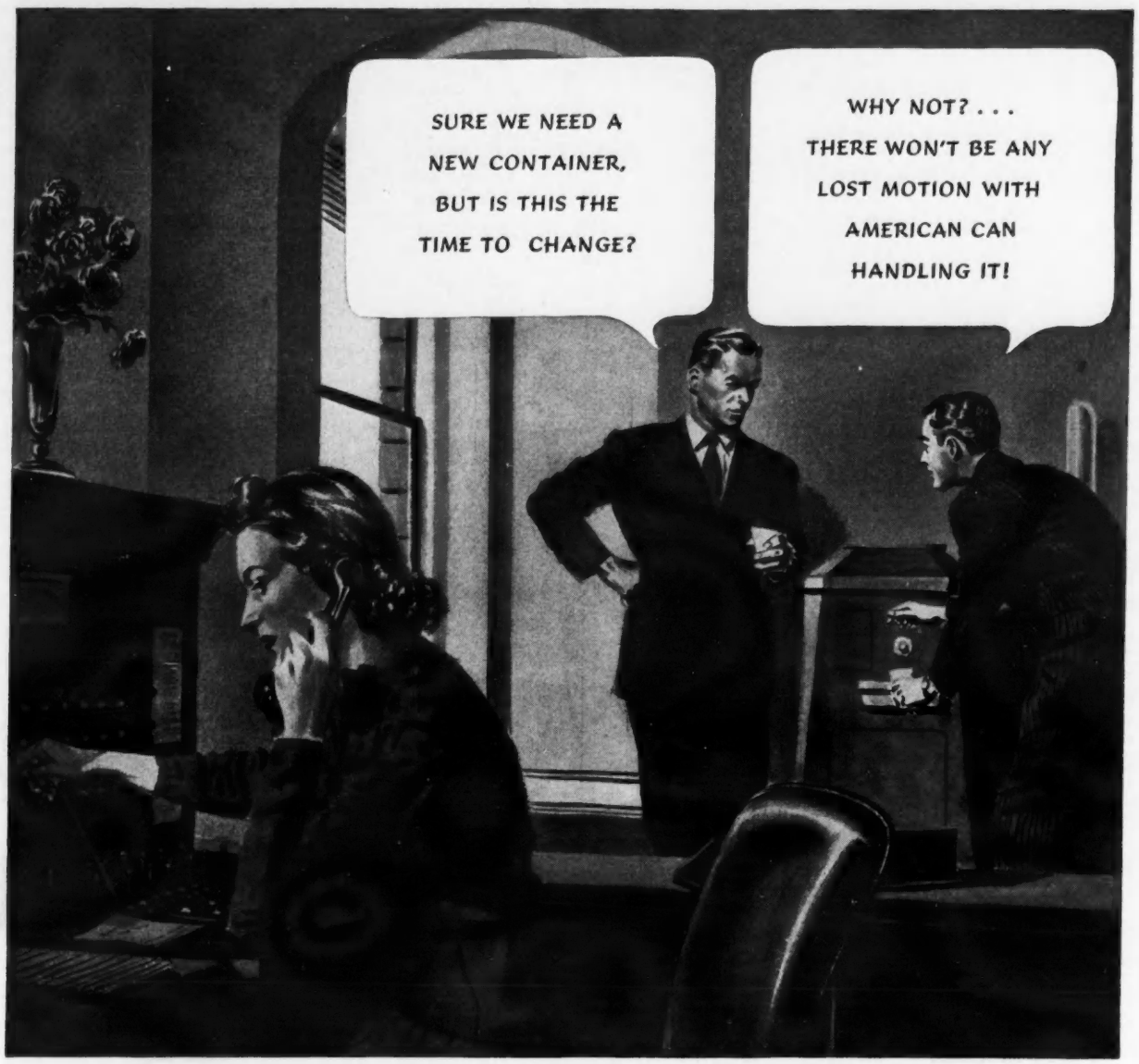
Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works, gal. .31½- —
19 bbls., E. works gal. .33½- —
1 to 18 bbls., E. works, gal. .36½- —
dms., c.l., E. works gal. .30½- —
19 dms., E. works gal. .32½- —
1 to 18 dms. gal. .35½- —
tanks, E. works gal. .24½- —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .28½- —
19 dms., works, E. gal. .30½- —
1 to 18 dms., works, E. gal. .33½- —
tanks, E. works gal. .22½- —
SD23G, works, E., c.l., dms., gal. .34½- —
19 dms gal. .36½- —
1 to 18 dms gal. .39½- —
tanks gal. .28½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.


SURE WE NEED A NEW CONTAINER, BUT IS THIS THE TIME TO CHANGE?
WHY NOT? . . . THERE WON'T BE ANY LOST MOTION WITH AMERICAN CAN HANDLING IT!

"You know how they do things, Paul. They'll plan every step in advance. They'll coordinate every move with our operations. Then when we give the word, the job will move ahead without a hitch. Why, we'll have that new package in production before we know it! Let's call them in tomorrow and start things moving."

CANCO AMERICAN CAN COMPANY, 230 PARK AVENUE, NEW YORK, N. Y.

Alcohol, special solvent, dms., c.l., works..gal. .31½- —
20 dms., to c.l.....gal. .33½- —
1 to 19 dms.....gal. .36½- —
tanks, E works.....gal. .25½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tech., dms., c.l., dlvd.....lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Ethyl, 190 pf., ex. molasses, dms., c.l.....gal. 6.00½- —
19 dms.....gal. 6.04 - —
5 to 18 dms.....gal. 6.07 - —
1 to 4 dms.....gal. 6.07 - —
tanks.....gal. 5.94½- —
absolute, dms., c.l.....gal. 6.35½- —
19 dms.....gal. 6.39 - —
5 to 18 dms.....gal. 6.42 - —
1 to 4 dms.....gal. 6.42 - —
Ethyl alcohol in bbls. 1c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. dms., c.l., 33,000 lbs., works, lb. .35 - —
l.c.l., 500 lbs. and more, works..lb. .20 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .25 - —
cans, works.....lb. .27 - —
Isobutyl, refd., dms., works..lb. .33 - —
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .0590- —
55 gals., c.l., same basis, gal. .66½- —
l.c.l., same basis...gal. .35 - —
tanks, frt. alld.....gal. .40 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .42
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 3.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y..lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - 3.64
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .90 Nom.
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd. N.Y., Phil...100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phil...100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd. N.Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N.Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd...lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —

Alumina, hydrate, heavy, bbls., c.l., works..lb. .0200- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs..lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs..lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .36 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ¼ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 15.00 -25.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .28 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton. 90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .02¾- —
tanks (on NH3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, dms., dlvd., Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd., Met. N.Y..lb. .08¾- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .18
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 49% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Dec. shipt..ton. 28.00 - —
spot, same basis.....ton. 29.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .18
tanks, dlvd.....lb. .07½- —
Red, 48%, cbys., works...lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 96-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, casks.....100 lbs. No prices

Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .17 - .18
Cyprus, bgs.....lb. .17 - .18
Mexican, bgs.....lb. .19¼- .19¾
Star .....lb. .23 - .24
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%.. lb. .16 - —
Chinese, black, 70%.....lb. .24 - .28
Oxide, bgs., c.l., dlvd.....lb. .12 - .13
l.c.l., dlvd.....lb. .13½- .14½
Salt, 65%, dms.....lb. .28 - —
bbls. .....lb. .36 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots.oz. 5.25 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. 2.00 Nom.
Root, bls.....lb. .55 - .57
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04¼- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l., (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons) Canad. mines—ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 17.50 - —
7M, bgs., c.l., (30 tons), Canad. mines..ton. 15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y...ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 32.90 - —
l.c.l., f.o.b. N. J. or N. Y. whse..ton. 58.00 - —
jet, bgs., c.l., Western shipping points..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 6.75 - 7.50
Sulphate, bots.....oz. 5.45 - 6.50

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No Prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 45.00 - —
l.c.l., works.....ton. 50.00 - —
bbls., c.l., works.....ton. 50.00 - —
l.c.l., works.....ton. 55.00 - —

Alcohol—Bis. Ammo. Citrate

Barium carbonate, sulphur-free, cl., works..ton. 50.00 - —
l.c.l., works.....ton. 55.00 - —
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP, cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis ton. 90.00 - —
bbls., same basis..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis...ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis...ton. 96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis...ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis...ton. 102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis..ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .08¾- .10¼
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works...lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis, ton. 22.85 - —
l.c.l., same basis.....ton. 28.85 - —
ex whse., New York....ton. 31.50 - —
Southern off color, bulk mines, ton. 12.00 - —
95.75%, bulk mines.....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a...ton. No prices
l.c.l., ex whse....ton. No prices
ungrd., bulk, c.l., ex dock..ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a...ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 1.75 - 2.60
Root. bls.....lb. 1.50 Nom.
Bentonite, 200 mesh bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .50
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 16.75 -17.25
Hydrochloride, cns.....lb. 16.75 -17.25
Sulphate, cns.....lb. 16.75 -17.25
Berberis root, bls.....lb. .12 - .18
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root. bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.52 - 2.06
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.06
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 80-85%, bots..lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50

Black, Acetyl.—China Clay

Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt .alld. E. lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs.. c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports..lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports..lb. .02925- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in August-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .29 - .30
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.40 - —
high-grade, sr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.60 - —
import, bgs., c.i.f. ports, ship..unit-ton. 2.50 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Blue, tungstated, peacock, kgs. lb. 3.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
Ultramarine, dry pulp, jobbing grades, bbls., same basis, lb. .11 - —
regular grades, bbls., same
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs..lb. 1.67 - 1.84
powd., cns., dms.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago—ton.32.00 -35.00
import, bgs., c.i.f. ports..ton.31.50 - —
Phosphate, recip. (see Calcium phosphate dibasic, precip.).
Bone, steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .35- .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
bgs., c.l., frt. alld...ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.34.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks. lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09¼- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06¼- —
raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .13¼- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12¼- —
4, bbls., same basis....lb. .10¼- —
5, bbls., same basis....lb. .10¼- —
6, bbls., same basis....lb. .09¼- —
7, bbls., same basis....lb. .09½- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07½- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .05¾- —
Umber, American, bbls., works, lb. .03¼- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04½- —
St. Louis.....lb. .05 - —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05¼- —
ex whse, Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65
Buckthorn bark, true, bls.....lb. .80 Nom.
cut and sifted, bbls....lb. No prices
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .35 - .40
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .08¼- —
dms., l.c.l., same terms..lb. .08¾- —
tanks, same terms.....lb. .07¼- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l. works...lb. .15½- —
l.c.l., works.....lb. .16½- .17¼
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Butyl crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15¼- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-3a°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single, jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cans.....lb. 4.05 - —
Lithopone (see Yellow).
Cadmium, metal, pat., shapes, cs..lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —
Southern cotton states, dms., c.l..lb. .06 - —
l.c.l. .....lb. .06¼- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse.100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports. ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.i.f. Atlantic ports, shipt. unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs.lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .75 - .80
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - .83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran.,powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0330- .0350
Morocco, bgs.....lb. .04 - .04½
Turkish, bgs.....lb. .0340- .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway, Dutch.....lb. .45 - .46
Russian .....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Carbon tetrachloride, Zone 4, 52½-gal. dms., c.l..gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .86 - .88
green, bgs.....lb. .65 - .67
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .15 - .16
Case - hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .13 - .14
5 tons, works.....lb. .13½- —
smaller lots, works.....lb. .14 - —
80-100 mesh, bgs., c.l.....lb. .13½- .14½
5 tons, works.....lb. .14 - .15
smaller lots, works.....lb. .15 - —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12½- —
80-100 mesh, bgs., c.l., duty paid..lb. .12½- .12¾
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .16½- .17
No. 1, regular, bls.....lb. .16¼- .16½
shortsticks, bls.....lb. .12¾- .13¼
broken, bls.....lb. .11 - .11½
China, rolls, select, bls.....lb. .11¼- .11½
broken, extra, bls.....lb. .10 - .10½
Saigon, No. 1, 4-10-4, bls....lb. .18¾- .19¼
10-6-2, bls.....lb. .19¼- .19¾
all thin, bls.....lb. .21½- .22
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .16 - .18
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.51.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .55 - .58
Indian .....lb. .22¼- .23¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .38 - —
Acetate-butyrate, high (20-40% bntyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Acetate - propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.50 Nom.
Roman, bls.....lb. 2.00 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02⅝- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton.8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila.....ton.18.00 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —

Chloral hydrate, bots., 1,000 lbs.	lb.	.93	- 1.02
300 lbs.	lb.	.96	- 1.05
100 lbs.	lb.	.98	- 1.07
25 lbs.	lb.	1.00	- 1.09
1-10 lbs.	lb.	1.05	- 1.12
dms., 1,000 lbs.	lb.	.90	- —
500 lbs.	lb.	.93	- —
100 lbs.	lb.	.95	- —
Chlorinated rubber, standard, c.l., ctns., works.	lb.	.32	- —
100 lbs., ctns.	lb.	.35	- —
smaller lots.	lb.	.38	- —
Chlorine, liq., cyls., c.l., dlvd., N. Y.	lb.	.05¼	- —
contracts, dlvd., N. Y.	lb.	.05¼	- —
l.c.l., dlvd., N. Y.	lb.	.07¼	- —
tanks, single units, works, frt. equald.	100 lbs.	1.75	- —
multiple unit, 3 or over, works, frt., equald.,	100 lbs.	1.90	- —
2, works, frt. equald.,	100 lbs.	2.40	- —
1, works, frt. equald.,	100 lbs.	2.90	- —
Chloracetophenone, tins, works.	lb.	3.00	- 3.50
Chloroform, tech., 650-lb. dms.	lb.	.20	- —
100-lb. dms.	lb.	.22	- —
50-lb. dms.	lb.	.28	- —
USP, 650-lb. dms.	lb.	.30	- —
100-lb. dms.	lb.	.32	- —
50-lb. dms.	lb.	.33	- —
Chloropicrin, com'l, 180-lb. cyls., works.	lb.	.80	- —
100-lb. cyls., works.	lb.	.85	- —
25-lb. cyls., works.	lb.	1.00	- 1.15
1-lb. bot., case 12, works.	lb.	1.25	- —
Chrome acetate, powd., 24%, bbls., dlvd.	lb.	.13½	- —
solut. 8½%, cs., bbls.	lb.	.05¾	- —
Cake, bulk, c.l., works.	ton.	16.00	- —
Green (see Green, chrome).			
Oxide (see Green, chrome).			
Sulphate, pearls, dms., 100 lbs.,	lb.	.40	- —
powd., dms., 100 lbs.	lb.	.43	- —
scale, dms., 100 lbs.	lb.	.45	- —
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, 5-lb. bot.	lb.	5.00	- —
Cinchona bark, quill, USP, 10 in., medium, cs.	lb.	.75	- .80
20 in., thick, cs.	lb.	.75	- .80
20 in., medium, cs.	lb.	.75	- .80
USP, broken quill, red, bgs.,	lb.	.21	- .23
yellow, bgs.	lb.	.21	- .23
Cinchonidine, small crys., cns., 100 ozs.	oz.	.89	- —
Sulphate, N.F., cns. 100 ozs.	oz.	.53	- —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs.	oz.	.62	- —
large cryst., cns. 100 ozs.	oz.	.66	- —
Sulphate, N.F., cns. 100 ozs.	oz.	.42	- —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms.,	lb.	3.40	- —
1 and 5-lb. bots.	lb.	3.50	- 3.55
100 lbs., dms.	lb.	3.30	- —
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, f.c.c., cbys.	lb.	.85	- .90
Cinnamon, Ceylon, 2 bls.	lb.	.15¾	- .16¼
3 bls.	lb.	.15½	- .16
Citral, bots., cns.	lb.	1.40	- 3.10
Citrine ointment, jars	lb.	.95	- .97
Citronellal, bots., dms.	lb.	.75	- .80
Citronellol, bots., dms.	lb.	1.60	- 1.85
Clove, Amboyna, bgs.	lb.	.23	- .23½
Madagascar	lb.	.16¼	- .16¾
Zanzibar	lb.	.15½	- .16
Clover tops, red, bgs.	lb.	.35	- .40
dom., bgs.	lb.	.33	- .35
Coaltar, coal-gas, crude, bbls., c.l., works.	bbl.	7.50	- 7.75
l.c.l., works.	bbl.	8.25	- 8.50
tanks, works.	gal.	.07½	- .09
refd., bbls., c.l., works.	bbl.	8.00	- 8.25
l.c.l., works.	bbl.	8.75	- 9.00
tanks, works.	gal.	.08½	- .10
water-gas, crude, dms., c.l., works.	dm.	7.50	- —
l.c.l., works.	dm.	8.25	- —
refd., dms., c.l., works.	dm.	8.00	- —
l.c.l., works.	dm.	8.75	- —
Cobalt acetate, bbls., kgs., dlvd.,	lb.	.80½	- —
Carbonate, powd., bgs., works,	lb.	1.58	- —
Chloride, kgs., works.	lb.	.85	- —
Hydrate, bbls.	lb.	1.98	- —
Linoleate, paste, 8%, dms.	lb.	.31	- —
solid, 8½%, bbls.	lb.	.33	- —
Oleate, bbls.	lb.	.25	Nom.
Oxide, black, kgs.	lb.	1.84	- —
Resinate, fused A, bbls.	lb.	.13½	- —
1 %, bbls.	lb.	.13	- —
2 %, bbls.	lb.	.14	- —
3½%, bbls.	lb.	.17½	- —
precip., dms., dlvd.	lb.	.34	- —
Sulphate, dms.	lb.	.05	- —
Cocaine, hydrochloride, 100 ozs., cns.	oz.	9.75	- —
Cochineal, gray, bgs.	lb.	.37	- .38
Teneriffe, silver, bgs.	lb.	.38	- .39
Cocoa butter, bulk, c.l., bgs.	lb.	.13	Nom.
Cocillana bark, bgs.	lb.	.25	- .30
Codeine, cns., 100 ozs.	oz.	11.70	- —
Hydrochloride, cns., 100 ozs.	oz.	10.50	- —
Phosphate, cns., 100 ozs.	oz.	9.00	- —
Sulphate, cns., 100 ozs.	oz.	9.50	- —
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls.	lb.	.07	- .08
Blue, root, bls.	lb.	.07	- .08
Colchicine, bots., cns.	oz.	22.00	-25.00
Colchicum seed, bgs.	lb.	2.50	Nom.
Collodion, USP, dms., 325 lbs.	lb.	.12½	- —
cns., 25 lbs.	lb.	.16	- —
flexible, USP, dms., 325 lbs.	lb.	.14½	- —
cns., 25 lbs.	lb.	.18	- —
Colocynth pulp, bls.	lb.	.55	- .56
Colombo root, bls.	lb.	.15	- .16
Coltsfoot leaves, bgs.	lb.	.35	- .40
Condurango bark, bgs.	lb.	.11	- .12
Conium leaves, bls.	lb.	.30	- .32
Copaiba balsam, Para, cns.	lb.	.25	- .26
S.A., USP, cns.	lb.	.27	- .28
Copper acetate, normal, bbls., dlvd.	lb.	.22	- —
smaller containers, dlvd.	lb.	.24	- —
Carbonate, 52-54%, bbls.	lb.	.16½	- —
Chloride, cryst., bbls.	lb.	.16	- —
Cyanide, tech., bbls.	lb.	.34	Nom.
odide, bots.	lb.	5.15	- 5.19
Metal, electrolytic.	lb.	.12	- —
Nitrate, cryst., bbls.	lb.	.16¼	- —
Oleate, precip., bbls.	lb.	.20	- —
Copper, oxide, black, 79-80%, bbls., tons, works.	lb.	.18	- —
Red, com'l, 80-88%, kgs., f.o.b. N.Y.	lb.	.19¼	- —
Resinate, precip., bbls.	lb.	.15	- .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works	100 lbs.	4.75	- —
l.c.l., 16-50 bbls., same basis.	100 lbs.	4.90	- —
6-15 bbls., same basis.	100 lbs.	5.10	- —
1-5 bbls., same basis.	100 lbs.	5.35	- —
monohydrated, dms., c.l., dealers, f.o.b. works.	100 lbs.	9.30	- 9.55
l.c.l., dealers.	100 lbs.	10.30	-10.55
Copperas, cryst., gran., bgs., c.l., works.	ton.	17.00	- —
bbls., c.l., works.	ton.	20.00	- —
l.c.l., 25 or over, works.	100 lbs.	1.55	- —
1-4, works.	100 lbs.	2.00	- —
bulk, c.l., works.	ton.	14.00	- —
Copra, Coast, shipt.	lb.	.0140	Nom.
Coriander, bgs.	lb.	.07¾	- .07¾
bleached, bgs.	lb.	.08½	- .09
Corn sugar, tanners', chipped, bgs., c.l., dlvd.	100 lbs.	4.44	- —
slabs, bbls., c.l.	100 lbs.	3.36	- —
solid, bbls., c.l.	100 lbs.	3.48	- —
Syrup, 42°, bbls., c.l.	100 lbs.	3.47	- —
43°, bbls., c.l.	100 lbs.	3.52	- —
Cornsilk, bls.	lb.	.15	- .16
Corrosive sublimate, cryst., dms., 50 lbs. or more.	lb.	2.19	- —
gran., powd., dms., 50 lbs. or more.	lb.	2.04	- —
Cottonroot bark, bls.	lb.	.10	- .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton.		1.10	- —
meal, 8%, Southeast, mills.	ton.	31.50	-32.00
Coumarin, 5 lbs., or more, 25-lb. cns.	lb.	2.75	- 3.00
5-lb. cns.	lb.	2.85	- 3.10
1-lb. cns.	lb.	3.00	- 3.25
1-oz cns.	lb.	3.35	- 3.60
less than 5 dms., cns.	lb.	4.15	- 4.65
Cramp, bark, genuine, bls.	lb.	.23	- .24
so-called, bls.	lb.	.06	- .07
Cranesbill root, bls.	lb.	.10	- .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't.	lb.	.38¼	- —
smaller lots, bbls.	lb.	.38¾	- —
kgs.	lb.	.39¼	- —
Creosote, beechwood, bots.	lb.	No prices	
hardwood, USP, bots.	lb.	.45	- .47
Pine, dms.	gal.	.28	- —
Carbonate, bots., cbys.	lb.	1.90	- 2.20
Oil, crude, tanks, works.	gal.	.13½	- .14½
Coaltar, solution, tanks, works,	gal.	.122	- .132
refd., bbls., l.c.l., works.	gal.	.25	- —
tanks, works.	gal.	.18	- .18½
Cresol, USP, dms., c.l., works.	lb.	.09¾	- —
l.c.l., same basis.	lb.	.10¼	- —
special resin grade, dms., c.l., works.	lb.	.08¾	- —
l.c.l., same basis.	lb.	.09¼	- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works.	lb.	.11	- —
l.c.l., works.	lb.	.12	- —
5 and 10 gal. dms., works.	lb.	.15	- —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C.	lb.	.19	- .21
4% rotenone prices are 3c. per lb less.			
Cubeb berries, XX, bgs.	lb.	.35	- .40
powd., cs.	lb.	.40	- .45
Culver's root, bls.	lb.	.16	- .17
Cumin seed, Morocco, bgs.	lb.	.20	- .20¼
Cyprus, bgs.	lb.	.20	- .20½
Persian, bgs.	lb.	.18½	- .19

Chloral Hydrate—Dextrin

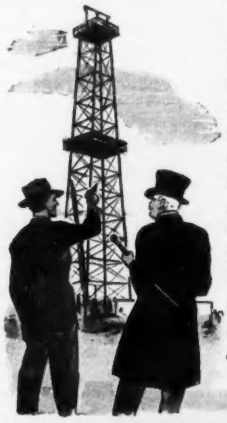
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y.	paid. lb.	.04½	- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N.	unit-ton.	1.40	- —
Cyanide-chloride, mixture, 45%, gran., dms.	lb.	.10¾	- —
lump, dms.	lb.	.09¾	- —
75%, gran., dms.	lb.	.15	- —
Cyclohexane, 98-100%, dms., dlvd.	lb.	.17	- —
Cyclohexanol, 98-100%, dms., dlvd.	lb.	.26	- —
Cyclohexanone, 98-100%, dms., dlvd.	lb.	.49	- —

D

Damiana leaves, bls.	lb.	.17	- .34
Dandelion root, German, bls.	lb.	.80	- .85
Decanol, normal, tech., 360 lbs. dms., dlvd.	lb.	.35	- —
Deertongue leaves, bls.	lb.	.12	- .14
Degras common, dom., bbls.	lb.	.08	- .08½
neutral, dom., bbls.	lb.	.13½	- .16¼
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y.	lb.	.21	- .23
4% rotenone prices are 3c. per lb less.			
Derris, extract, 25% rotenone, bulk, cns.	lb.	3.00	- 4.00
Dextrin, British gum, c.l., f.o.b. Chicago.	100 lbs.	4.10	- —
l.c.l., f.o.b. Chicago.	100 lbs.	4.20	- —

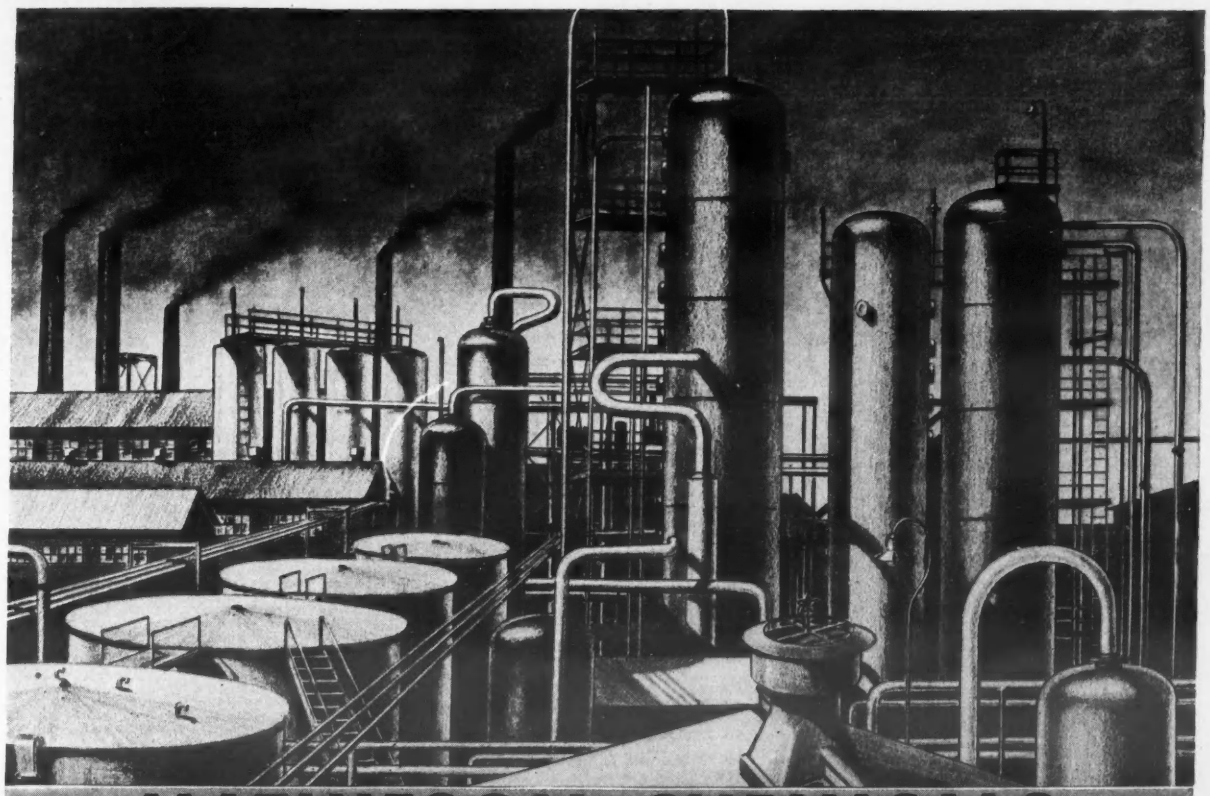
Black Gold!

Suppose someone who lived forty or fifty years ago — say one of the founders of Mathieson — could pay us a visit today. And suppose we could have the pleasure of showing him the sights of 1940, of explaining the vast changes that have taken place since the turn of the century. What do you think would amaze the old gentleman most? If he were one of the pioneers who founded Mathieson, we believe he would be most interested in the revolutionary changes wrought by chemical progress and in the part his successors have played in building the present-day America. We would go about telling him the story as we tell it in this series of advertisements.



● You look astonished, Mr. M., as well you may. Petroleum's importance was only beginning to be appreciated in your day. You could not foresee the time when it would be one of the prime essentials of industrial civilization, and nations would put a far higher value on the possession of oil fields than on deposits of gold or diamonds.

The story of oil is the story of our whole modern industrial age — a drama of gigantic growth and development. In the refining end of this great petroleum industry, Mathieson Chemicals play an important part — caustic soda and soda ash as treating reagents, bicarbonate of soda for fire-foam systems, ammonia for refrigeration and for combatting corrosion of equipment, chlorine and hypochlorite for sweetening distillates, for water treatment and for general sanitation. Thus Mathieson products, you'll be proud to know, are contributing in many ways to the continuing development of petroleum in its ever widening service to this nation's industrial life.



MATHIESON CHEMICALS

SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS . . . ANALYTICAL SODIUM CHLORITE

THE MATHIESON ALKALI WORKS (INC.)
60 E. 42ND STREET, NEW YORK, N. Y.

Dextrin—Glauber's Salt

Dextrin, corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.85 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
Potato, imoort, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .088 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton 22.00 -25.00
l.c.l. ex whse.....ton. 45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard.....ton. 35.00 -39.00
l.c.l., ex whse.....ton. 85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .06 - —
l.c.l., ex whse.....lb. .10 - .16
import, bgs., c.l., c.i.f...ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .51 - .55
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .25½- .26½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (See Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld, lb. .19 - —
l.c.l.....lb. .19½- —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .12 - —
tanks.....lb. - - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dillseed, recleaned, bgs.....lb. .10¾- .11¼
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylaniline, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvdlb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 30° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluoiguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns....lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton. 32.00 - —
Venezuelan.....ton. 35.00 - —
Doggrass root, cut, N.F., bls..lb. .60 - .65
Dogwood bark, Jamaica, bls..lb. .08 - .10
Dovers powder, USP, cns...lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1 cns..lb. 13.50 - —
FD&C blue, No. 2, cns....lb. 13.50 - —
FD&C green, No. 2, cns....lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
Green, FD&C green, No. 1, cns. lb. 13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns...lb. 2.65 - —
FD&C yellow, No. 4, cns...lb. 2.05 - —
FD&C yellow, No. 5, cns...lb. 3.15 - —
FD&C yellow, No. 6, cns...lb. 3.15 - —

Dyes, coaltar (certified colors), for drugs and cosmetics.
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb. 13.50 - —
Brown, D&C brown, No. 1, cns. lb. 12.35 - —
Green, D&C green, No. 5, cns. lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 5, cns...lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.85 - —
D&C orange, No. 11, cns...lb. 17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb. 18.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb. 18.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb. 10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns. lb. 12.35 - —
Green, Ext.D&C green, No. 1, cns...lb. 12.35 - —
Red, Ext.D&C red, No. 1, cns...lb. 10.35 - —
Ext.D&C red, No. 3.....lb. 21.35 - —
Ext.D&C red, No. 8.....lb. 7.85 - —
Ext.D&C red, No. 10, cns...lb. 12.35 - —
Ext.D&C red, No. 13, cns...lb. 12.35 - —
Yellow, Ext.D&C yellow, No. 1, cns...lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
320 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .85 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
606 Acid violet.....lb. 1.00 - 3.00
612 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
865 Nigrosin derivatives..lb. .38 - .42
Blue:—
1075 Alizarin astrol base...lb. 15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
255 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
800 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base..lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —
Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Blue:—
114 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
902 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alisarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y.....lb. .66 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
232 Bismarck brown R....lb. .50 - .52
796 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alisarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .76
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .68 - —
Yellow:—
10 Naphthol yellow S....lb. .55 - —
138 Metanil yellow.....lb. .53 - —
634 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazine .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .61
imported .....lb. .56 - .59
Elder flowers, bright, bls.....lb. .55 - .60
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz. 22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 oz.....oz. .70 - —
tins, 100 ozs.....oz. .80 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .55 - —
tins, 100-oz. lots.....oz. .65 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .53 - —
tins, 100-oz. lots.....oz. .63 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.70 - 1.75
Eserine, bots.....oz. 50.00 -60.00
Salicylate, bots.....oz. 42.00 -54.00
Sulphate, bots.....oz. 42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works...lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
95-98%, dms., c.l., frt. alld.lb. .07¾- —
l.c.l., frt. alld.....lb. .08¼- —
tanks, frt. alld.....lb. .06¾- —
N.F., 460-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14½- —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works..lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
5,000 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld., lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .18½
tanks .....lb. .13½- —
Ethyleneglycol, monobutylether, dms., c.l., works, lb. .16½- —
l.c.l., works.....lb. .17¼- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .08 - .09

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 -17.50
l.c.l., minimum 2 tons..ton. 17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton. 12.75 -16.25
pottery, bulk, Mc., works...ton. 17.00 -19.00
N. C., works.....ton. 17.00 -19.00
l.c.l., minimum 2 tons.ton. 20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
Indian, bgs.....lb. .13½- .14
French, bgs.....lb. .35 Nom.
German, large, bgs.....lb. .35 Nom.
Roumanian, bgs.....lb. .14 - .14½
Fenugreek seed, bgs.....lb. .05½- .05¾
Ferric, sulphate, anhyd., c.l., works..ton. 35.00 - —
l.c.l. .....ton. 40.00 - —
Film scrap, colors, dark, ca., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, ca., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
water white, ca., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal. 16.00 -16.50
Oregon, bbls.....gal. 1.10 - 1.16
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 3.25 Nom.
meal, bgs., f.o.b. Balto....ton. 54.00 Nom.
6-7% ammon., 8% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Dec. shipt..ton. No prices
spot...ton. No prices
Flake white, dom., bbls.....lb. .08¾- —
kegs .....lb. .10¾- —
Fleaseed, French, black, bgs...lb. .55 - .60
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton. 29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines.net ton. 20.00 - —
No. 2, lump, 85.6 f.o.b. Ky. and Ill. mines..net ton. 20.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton. 15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms. incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .26
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .06½- .07
plantation, cases.....lb. .10 - .10½
Cubes, Singapore, cases....lb. .08¼- .08¾
extract, bbls.....lb. .09½- .12
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .05 - .05¾
65 octane and above, tanks, gal. .06 - .06½
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .13½- —
Gulf Coast, US Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04⅝
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04⅝
72-74 octane, tanks....gal. .04¾- .05
Oklahoma-Texas, US motor, 62 octane and below, tanks.gal. .03½- .03⅝
third grade, tanks.....gal. .03½- .03⅝
63-66 octane, tanks....gal. .03⅝- .04⅛
67-69 octane, tanks....gal. .03⅝- .04
70-72 octane, tanks....gal. .04¼- .04½
natural, 18-55, tanks.....gal. .02⅝- .02¾
26-70, tanks.....gal. .02 - .02½
Gelatine, silver, cs.....lb. .60 - .67
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb .38 - .40
grd., bbls., bxs.....lb. .41 - .43
powd., bbls., bxs.....lb. .42 - .44
Geraniol, ess., dms.....lb. .60 - 3.00
Ginger, African, No. 1, bgs...lb. .07 - .07½
Cochin, lemon, bgs.....lb. .10 - .10½
Jamaica, bold, bgs.....lb. .12½ Nom.
medium, bgs.....lb. .11 Nom.
grinding, bright, bgs.....lb. .09½ Nom.
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb. 12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.10
5 tons or over, works, 100 lbs. 1.05 - 1.35
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices

Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., divd.	lb.	.18½ - —
l.c.l., divd.	lb.	.14 - —
36/58 bgs., c.l., divd.	lb.	.13 - —
l.c.l., divd.	lb.	.13½ - —
58/82, bgs., c.l., divd.	lb.	.14½ - —
l.c.l., divd.	lb.	.15 - —
82/108 millipoise, bgs., c.l., divd.	lb.	.15 - —
l.c.l., divd.	lb.	.15½ - —
Hide, calcimine, type, 58 millipoise, 135 jellygrams, bgs., c.l., divd., East Middlewest	lb.	.15 - —
l.c.l., **same basis**	lb.	.15½ - —
60/164, bgs., c.l., same basis,	lb.	.16½ - —
l.c.l., **same basis**	lb.	.17 - —
67/122, bgs., c.l., same basis,	lb.	.17½ - —
l.c.l., **same basis**	lb.	.18 - —
75/222, bgs., c.l., same basis	lb.	.20½ - —
l.c.l., **same basis**	lb.	.21½ - —
88/251, bgs., c.l., same basis,	lb.	.21½ - —
l.c.l., **same basis**	lb.	.22½ - —
92/283, bgs., c.l., same basis,	lb.	.22½ - —
l.c.l., **same basis**	lb.	.23½ - —
102/315, bgs., c.l., same basis	lb.	.23½ - —
l.c.l., **same basis**	lb.	.24 - —
113/347, bgs., c.l., same basis	lb.	.24 - —
Glue, hide, calcimine type 125/379, bgs., c.l., same basis	lb.	.25 - —
l.c.l., **same basis**	lb.	.26 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.		
Glycerin, CP, cns., l.c.l.	lb.	.14½ - .15
dms., c.l., divd.	lb.	.12½ - —
l.c.l., divd.	lb.	.13 - —
tanks, divd.	lb.	.12¼ - —
dynamite, dms	lb.	Nominal
high gravity, dms., c.l., divd.	lb.	.12 - —
l.c.l., divd.	lb.	.12½ - —
tanks, divd	lb.	.11¾ - —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., divd.	lb.	.09¼ - —
l.c.l., **same basis**	lb.	.10½ - —
tanks	lb.	.08½ - —
Glycerin, saponification, basis 88%, for refiners, dms., returnable, tanks, divd.	lb.	.08½ - .08¾
soapiye, basis 80%, dms., tanks, returnable, divd.	lb.	.07¼ - .07¾
Glycine, medicinal, bbls., tins	lb.	1.70 - 2.00
Glycol boriborate, dms	lb.	.22 - —
Phthalate, dms	lb.	.38 - —
Stearate, dms	lb.	.26 - —
Gold, U.S. purchase price	oz.	35.00 - —
Chloride, acid brown, bots	oz.	20.75 -21.00
yellow, bots	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.,	oz.	12.00 - —
USP IX, bots	oz.	14.50 -14.75
Gold of pleasure, seed, bgs	lb.	.16 - .16½
Goldenseal, root, bls	lb.	2.65 - 2.70
powd., bxs	lb.	2.95 - 3.00
Grains of paradise, bgs	lb.	.46 - .48
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works	lb.	.06 - —
bbls., c.l., works	lb.	.06½ - —
l.c.l., **works**	lb.	.06½ - —
amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works	lb.	.02½ - —
bbls., c.l., works	lb.	.02¾ - —
l.c.l., **werks**	lb.	.03¼ - —
80% graphitic, carbon, bgs., c.l., works	lb.	.03½ - —
bbls., c.l., works	lb.	.03¾ - —
l.c.l., **works**	lb.	.04½ - —
Grease, house, loose	lb.	.04½ Nom.
white	lb.	.04½ Nom.
yellow	lb.	.04⅛ Nom.
Wool (see Adeps lanae and Degras).		
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	.21 - —
6-10%, bbls., same basis	lb.	.22 - —
11-15%, bbls., same basis	lb.	.23 - —
16-20%, bbls., same basis	lb.	.23½ - —
21-25%, bbls., same basis	lb.	.24 - —
26-30%, bbls., same basis	lb.	.24¼ - —
31-35%, bbls., same basis	lb.	.25¼ - —
36-40%, bbls., same basis	lb.	.27 - —
41-45%, bbls., same basis	lb.	.28½ - —
46-50%, bbls., same basis	lb.	.30 - —
Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
reduced, CP, color content up to 5%, same basis	lb.	.06 - —
6-10%, bbls., same basis,	lb.	.06¾ - —
11-13%, bbls., same basis,	lb.	.07¼ - —
14-16%, bbls., same basis,	lb.	.07½ - —
17-19%, bbls., same basis,	lb.	.07¾ - —
20-21%, bbls., same basis,	lb.	.08 - —
22-23%, bbls., same basis,	lb.	.08¼ - —
24-25%, bbls., same basis,	lb.	.08½ - —
26-27%, bbls., same basis,	lb.	.08¾ - —
28-29%, bbls., same basis,	lb.	.09¼ - —
30-31%, bbls., same basis,	lb.	.10 - —
32-33%, bbls., same basis,	lb.	.11¼ - —
34-35%, bbls., same basis,	lb.	.12¼ - —
36-40%, bbls., same basis,	lb.	.14¼ - —
41-45%, bbls., same basis,	lb.	.16¼ - —
46-50%, bbls., same basis,	lb.	.16¾ - —
51-55%, bbls., same basis,	lb.	.17¼ - —
56-60%, bbls., same basis,	lb.	.17¾ - —
61-65%, bbls., same basis,	lb.	.18¼ - —
66-70%, bbls., same basis,	lb.	.19¼ - —
71-75%, bbls., same basis,	lb.	.20¼ - —
Oxide, dom., pure, bbls	lb.	.25 - —
ceramic, light shades, bbls., c.l., works	lb.	.25 - —
l.c.l., **works**	lb.	.30 - —
standard grade, bbls., works	lb.	.21 - .23
Tetrahydroxide, bbls	lb.	.33 - —
Paris (see P).		
Tungstated, brilliant, kgs	lb.	3.50 - —
emerald, kgs	lb.	2.35 - —
Verdigris (see V).		
Green dyes are listed under Dyes.		
Grindelia robusta, bls	lb.	.09 - .10
Guaiac resin, cs	lb.	.80 - .85
strained, cs	lb.	.80 - .85
Wood, bls	lb.	.04 - .06
Guaiacol, liq., dms	lb.	1.65 - 1.67
Carbonate, fib. dms., 25 lbs	lb.	2.40 - 2.74
Guarana powd., cs	lb.	1.20 - 1.25
Gum, aloe (see A).		
Ammoniac, tears, cs	lb.	.85 - .90
Arabic, amber, sorts, cleaned, bgs	lb.	.14 - .15
white, sorts, 1, bgs	lb.	.85 - .86
powd., bbls	lb.	.18 - .20
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, Siam, cs	lb.	1.65 - 1.75
Sumatra, cs	lb.	.19 - .20
Camphor (see C).		
Chicle, prime, 33% moisture, bgs., ton lots	lb.	No price
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran	lb.	.40½ - —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices on 30,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.		
Copal, Congo, 2, water white, bgs., c.l., same basis	lb.	.29½ - —
3, selected pale straw bold, bgs., c.l., same basis	lb.	.24½ - —
4, pale bold straw, bgs., c.l., same basis	lb.	.24 - —
5, pale straw bold, bgs., c.l., same basis	lb.	.22¾ - —
6, pale amber bold, bgs., c.l., same basis	lb.	.21¼ - —
7, pale straw bold, bgs., c.l., same basis	lb.	.17 - —
8, light amber bold, bgs., c.l., same basis	lb.	.17 - —
9, medium light amber bold, bgs., c.l., same basis	lb.	.18¾ - —
10, rescraped hard amber, bold, bgs., c.l., same basis	lb.	.13¾ - —
11, hard dark amber bold, bgs., c.l., same basis	lb.	.12¾ - —
12, selected bold sorts, bgs., c.l., same basis	lb.	.11¾ - —
13, dark sorts bold, bgs., c.l., same basis	lb.	.09¼ - —
14, selected, fully scraped, ivory, bgs., c.l., same basis	lb.	.23¾ - —
15, ordinary ivory sorts, bgs., c.l., same basis	lb.	.10¾ - —
16, inferior ivory sorts, bgs., c.l., same basis	lb.	.09½ - —
17, pale, fingers, bgs., c.l., same basis	lb.	.18¾ - —
18, pale straw nubs, bgs., c.l., same basis	lb.	.19¼ - —
19, pale straw nubs, bgs., c.l., same basis	lb.	.18¾ - —
20, hard dark amber nubs, bgs., c.l., same basis	lb.	.13¼ - —
21, ordinary selected nubs, c.l., same basis	lb.	.12¾ - —
22 small mixed nubs, bgs., same basis	lb.	.10¾ - —
23, dark mixed nubs, bgs., c.l., same basis	lb.	.11¾ - —
24, No. 1, ivory nubs, bgs., c.l., same basis	lb.	.17¾ - —
25, No. 2, natural ivory nubs, bgs., c.l., same basis	lb.	.09½ - —
26, pale small nubs, c.l., same basis	lb.	.10¾ - —
27, pale small nubs., bgs., c.l., same basis	lb.	.10¼ - —
28, pale dust, bgs., c.l., same basis	lb.	.06¾ - —
Batu, bold, scraped, bgs., c.l., same basis	lb.	.06½ - —
unscraped, bgs., c.l., same basis	lb.	.06 - —
chips, bgs., c.l., same basis,	lb.	.06¼ - —
dust, bgs., c.l., same basis,	lb.	.06¼ - —
nubs and chips, bgs., c.l., same basis	lb.	.06¼ - —
black, bold, scraped, bgs., c.l., same basis	lb.	.05¾ - —
unscraped, bgs., c.l., same basis	lb.	.05¾ - —
nubs and chips, bgs., c.l., same basis	lb.	.06½ - —

How's your HYGROSCOPICITY?

A true "case history" in packaging—from CONTINENTAL CAN

A MAN with a wild look in his eye came into one of our sales offices the other day.

"Hygroscopicity!" he said.

We answered him immediately. "Hygro-*what!*"

"Hygroscopicity. It's terrible. Can't somebody *do* something?"

"Oh, that?" we answered, with considerable relief. "You mean 'the quality of readily absorbing and retaining moisture'?"

"That's right. It's a terrible thing. Look—I put out a nice product. A swell product. But moisture's bad for it. And since it's naturally hygro . . . er, hygroscop . . . "

"Hygroscopic?" we suggested, tactfully.

"Right! Well, you see? It's just a pushover for moisture . . . practically welcomes it with open arms. So here's my problem: how on earth can I get a container that will keep out moisture . . . *but can be re-closed very tightly* . . . and still be light, easy to fill, and inexpensive?"

"Mister," we told him, "we'll fix you a container that will practically be an *injunction* against moisture."

You can't scare our research boys with a word like hygroscopicity. Word soon came from Continental's laboratories that they had found the solution—an inexpensive, reclosable container to combat hygroscopicity. A special-compound gasket was developed, to fit inside the cover of the can selected for the product. Result? Our friend's "hygroscopic" product is now being marketed with great success.

You may never be troubled with hygroscopicity. But if you have any packaging problem at all—come to Continental. If you want the best container for your product—come to Continental. And if you want the tops in service and research—come to Continental.

CONTINENTAL CAN COMPANY

Offices and Plants in all Principal Cities

Gum, Copal—Lime, Hydrated

Gum, copal, Hiroe, Macassar, pale bold, bgs., c.l., same basis, lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .06½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bakts., c.l., same basis..lb. .13¾- —
light, bakts., c.l., same basis..lb. .15¾- —
Loba A, bakts., c.l., same basis..lb. .11¾- —
B, bakts., c.l., same basis, lb. .11¾- —
C, bakts., c.l., same basis, lb. .11¼- —
CNE, bakts., c.l., same basis..lb. .08½- —
D, bakts., c.l., same basis, lb. .12¾- —
DK, bakts., c.l., same basis, lb. .09 - —
dust, bakts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bakts., c.l., same basis..lb. .15¾- —
Singapore, dust, bakts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bakts., basis..lb. .10¾- —
DBB, bakts., c.l., same basis..lb. .10 - —
MA, bakts., c.l., same basis, lb. .07¾- —
MB, bakts., c.l., same basis, lb. .07¼- —
WS, bakts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13¾- —
Philippine, Manila, amber sorts, bakts., c.l., same basis..lb. .08 - —
chips, pale, bakts., c.l., same basis..lb. .11¾- —
pale, small, bakts., c.l., same basis..lb. .09 - —
extra pale sorts, bakts., c.l., same basis..lb. .10½- —
nubs, bakts., c.l., same basis..lb. .13½- —
pale, scraped, bakts., c.l., same basis..lb. .14¾- —
seeds and dust, bakts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis..lb. .15¼- —
A/E, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis...lb. .20¾- —
C, cs., c.l., same basis...lb. .14¾- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis..lb. .07¾- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis.....lb. .07¼- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09¾- —
Blend, cns., c.l., same basis as copal..lb. .06½- —
Water, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md. 75,000 lbs., contrs. or single shipt., 10,000 lbs. .....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., Western N.Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l. lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l. same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .38
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 2.00 - 2.10
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.60
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .16
tears, cs.....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks.....lb. .50 - .55
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 3.50 - 3.75
2 cs.....lb. 3.35 - 3.60
3 cs.....lb. 2.90 - 3.10
Yucca, bgs.....lb. .03½- .04

Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Gypsum, plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bags, c.l., f.o.b. Acme, Tex.; Akron, N.Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southerd, Okla.; Sweetwater, Tex., frt. equald., ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex deck.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .30 - .35
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06½- .07¼
Henbane leaves, bls.....lb. 1.75 Nom.
Henna leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 5..gal. .11¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexaldenyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works....lb. .25 - —
Homatropine hydrobromide, 25 oz. bots..oz.15.00 -15.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.50 - 2.75
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .15 - .16
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, both., 4 oz...oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.65.00 -75.00
Hydrochloride, bots.....oz.65.00 -75.00
Hyoscyamine, bots.....oz.21.25 -22.25
Hydrobromide, bots.....oz.21.25 -22.25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext. liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.15 - 1.20
powd., bxs.....lb. 1.30 - 1.35
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs., works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns. .....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Iron, hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots. .....lb. .53 - —
nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-bl. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .36
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .36
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs...lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs. .....lb. .25½- —
Isobutylacetate, 55 - gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
Propionate, dms., works.....lb. .09 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. alld..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .28 - .30
powd., bbls., bxs.....lb. .30 - .32
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .60 - .80

K

Kamala, tins.....lb. .32 - .33
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0510- .0550
California (f.o.b. San Francisco), truck..gal. .11½- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03¾- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¼
42-44 w.w., tanks.....gal. .04½- .04¾
Pennsylvania, 45 w.w., tanks, gal. .04⅞- .05⅛
46 w.w., tanks.....gal. .04⅞- .05⅛
47 w.w., tanks.....gal. .05 - .05⅛
Kerosene distillate (see Oil, furnice).
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 5.65 - 5.75
Middlewestedn, trcs....100 lbs. 5.00 - 5.10
Neutral, trcs.....100 lbs. 6.75 - 7.00
Western, choice, trcs..100 lbs. 5.10 - 5.20
Compound, trcs.....100 lbs. 8.00 - 8.25
Larkspur seed, bgs.....lb. 1.25 - 1.30
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .38 - .39
Turkish, bls.....lb. No stocks
Lavender flowers, ordinary, bls.lb. .55 - .60
medium, bls.....lb. .60 - .65
select, bls.....lb. .70 - .75
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09½- —
l.c.l., bgs.....lb. .10 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06½- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .46 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars .....lb. 2.65 - —
Lead, linoleate, pale, precip., dms..lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, powd., bbls., tech..lb. .23 - —
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash....lb. .08¾- —
other points.....lb. .08 - —
l.c.l., 5 tons dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09- —
other points.....lb. .08½- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc...lb. .08½- —
other points.....lb. .08¾- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
smaller lots, dlvd. Ala..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
Keystone, Ala.....ton. .10 - —
other points.....lb. .09¼- —
98%, Pb_3O_4, bbls., c.l. (20 tons, dlvd., Ala., etc...lb. .08¾- —
other points.....lb. .08½- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
in oil, 95% min., 100-lb. kgs..lb. .12½- —
Resinate, fused 15%, bbls...lb. .09¼- —
pale, bbls.....lb. .11½- —
Silicate, bgs., 5 tons.....lb. 6.38 - —
smaller lots.....lb. 6.80 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¾- —
smaller lots, E. frt. alld., lb. .10¼- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash and Wyo..lb. .07½- —
other points.....lb. .07¾- —
l.c.l., dlvd., Ariz., etc..lb. .07¾- —
other points.....lb. .07½- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
l.c.l., dlvd., Ariz., etc...lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers .....lb. .10¾- —
painters .....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b. N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .47½- .65
l.c.l., same basis.....lb. .47½- —
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .12 - .13
select, bdls., cs.....lb. .50 - .60
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —

Lime, hydrated, Le Roy, Minn., ton.10.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Petoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa...ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08¼- .09¼
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .16
Zone 3, tanks, dealers .dlvd., gal. .07¼- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .06 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10¼- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07¼- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.80
Linalyl acetate, cns.....lb. 1.75 - 3.00
Linden flowers, with leaves, bls.lb. .45 - .50
without leaves, bls.....lb. .50 - .55
Linseed cake, bgs., export...ton.21.00 - —
meal, bgs.....ton.27.00 -28.00
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Other points.....lb. .07 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
Other points.....lb. .07½- —
smaller lots, dlvd., Ala..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
Other points.....lb. .08 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l., (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05½- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)..lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .14 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.75 - 5.00

M

Mace, Banda, cs.....lb. .45½- .46
Batavia, cs.....lb. .23 - .23½
Siauw, cs.....lb. .30 - .31
West Indian, cs.....lb. .31 - .32
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I. N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, frt., equald., with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls., lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .22 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .65 - —
Magnesite, cal., dom., bgs....ton.65.00 -70.00
Imports, bgs., duty paid...ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton.22.00 -25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13

Lime, Hydrated—Mercury Iodide

Manganese acetate, dms.....lb. .20½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works.....ton.77.00 - —
Caucasian, 85-90%, bbls., cl., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap, bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots works.ton.79.75 - —
paper bgs., c.l., works.ton.76.00 - —
l.c.l., 5 tons, works..ton.78.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton.. .71 Nom.
Resinate, fused, 3.2%, bbls..ton. .06¼- .06½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .10½- —
single bbls., works.....lb. .10¾- —
fertilizer, 65%, MnSO4, bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.34.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.80 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .28 - —
smaller lots, works.....lb. .45 - —
reagent grade, 50 lb. cs., or multiples, works..lb. .90 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .50 - .52
Tunisan, bls.....lb. .33 - .35
Chilean .....lb. .13 - .14
Matico leaves, bls.....lb. .22 - .26
Menthol, USP, natural, cs.....lb. 2.45 - 2.55
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.48 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75

Gratefully reviewing our past associations, we look forward with confidence and extend to our friends, many of whom we cannot meet in person, our sincere

Christmas Greetings

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Mercury Nitrate—Oil, Lavender

Mercury, nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.66 - —
USP, fib. dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5 lb. ctns..lb. 1.96 - —
25-lb. fib. dms.....lb. 1.96 - 1.98
Mesityl oxide, cns., works.....lb. .20½- —
dms., c.l., dlvd.....lb. .16 - —
l.cl., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in. pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5½ in.....pkg.22.50 -23.00
3⅜x5½ in.....pkg.24.50 -25.00
silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —
Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.
natural, producer group B, pure, tanks, frt. alld. Zone 1. gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —
95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.
Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.
Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —
Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R..lb. .07½- —
W. of Miss R.....lb. .08½- —
tanks, dlvd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 - —
dms., c.l., same basis...gal. .37½- —
l.c.l., same basis...gal. .40 - —
Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.
Acetone, natural, group B producers, tanks, Zone 1..gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .43½- —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .65½- —
Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash, Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.
Synthetic, tanks, zone 1....gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½- —
dms., c.l., zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
l.c.l., Zone 1.....gal. .37 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .48½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl...lb. .34 - —
Methyl chloride, refrig., 60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders Prices on the 20-lb. sylinders are uniformly 10c. per pound higher than above prices.
Cinnamate, bis.....lb. 2.75 - 3.25
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.65 - 3.92
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls..lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., c.l., frt. alld..lb. .47 - —
2,000 lbs. or more, frt. alld., lb. .50 - —
100 to 1,999 lbs., frt. alld..lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., dlvd..lb. .17 - —
Methylcyclohexanol, 98-100%, dms., dlvd..lb. .26 - —
Methylcyclohexanone, 98 - 100%, dms., dlvd..lb. .40 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 2.60
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh., containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works..lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs. works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs, works, ton.65.00 - —
white, no. 1 quality, bgs., extra and returnable, c.l., works.....ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs., extra and returnable, c.l., works, ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l., works, ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¾- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
spray, l.c.l.....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02½- .06
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06¼- .06¾
Molybdate orange (see Orange, molybdate).
Molydenum metal kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works.lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .53 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylaniliin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.75 Nom.
Musk, nat., Tonquin, grained, bots..oz.24.00 -26.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.05 - —
5 lbs. to 75 lbs.....lb. 3.35 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .16¾- .16¾
yellow, bgs.....lb. .16½- .17
Chinese, yellow, bgs.....lb. .09½- .10
Danish, yellow.....lb. .24 - .25
Dutch, yellow, bgs.....lb. No prices
English, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .13 - .13½
Roumanian, yellow.....lb. .16 - .16½
Myrobalans, J1, bgs., f.a.s....ton.35.00 - —
J2, bgs., f.a.s.....ton.28.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
74 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.30
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .20 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 8-11% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.75 - —
f.o.b. Chemical, Ill., unit-ton. 1.75 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., cs....lb. .29 - .30
Chinese .....lb. .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs...lb. .18 - .18½
110s, bgs., cs.....lb. .16 - .16½
small, grinding, bgs.....lb. .16 - .16½
West Indian, bgs.....lb. .09¼- .09½
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, bitter, artif (see Benzalhedyde).
natural, bots.....lb. 3.00 - 3.25
s.p.a., bots.....lb. 3.15 - 3.50
sweet, true, exp., cns....lb. .70 - .75
Amber, crude, cns.....lb. .27 - .28
ref'd, cns.....lb. .90 - .95
Amyris, cns.....lb. 3.00 - 3.25
Angelica, bots.....lb.100.00 Nom.
Anilin (see A).
Anise, USP, cns., dms.....lb. .90 - 1.00
Apricot, kernels, cns.....lb. .43 - .44
Babassu, tanks.....lb. .05¾ Nom.
Oil, bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 3.50 - 3.60
natural, coppers.....lb.12.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, rectified, cns.....lb. 1.00 - 1.10
Bois de rose, Brazil, cns.....lb. 1.95 - 2.00
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .65 - .70
USP IX, cns.....lb. .75 - .80
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .25 - .26
dms. .....lb. .22 - .23
white, cns.....lb. .25 - .26
dms. .....lb. .23 - .23
Cananga, native, cns.....lb. 2.25 - 2.50
refined, cns.....lb. 2.60 - 2.65
Capsicum (oleoresin), USP VIII, cns..lb. 3.50 - 3.75
Caraway, USP, cns.....lb. 6.00 Nom.
Cardamom, bots.....lb.16.00 -18.00
Cassia, USP, cs., dms.....lb. 1.50 - 1.55
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12½- —
cold pressed, USP, bbls., c.l., lb. .10¼- —
l.c.l. .....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l..lb. .10 - —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l.....lb. .12 - —
tanks .....lb. .09¼- —
dehydrated, dms., c.l.....lb. .1310- —
l.c.l. .....lb. .13¼- —
tanks .....lb. .12½- —
extracted No. 3, tech., bbls., c.l..lb. .09¾- —
l.c.l. .....lb. .10¼- —
dms. (returnable), c.l.....lb. .09½- —
l.c.l. .....lb. .10¼- —
tanks .....lb. .09 - —
sulphonated, 50% (43% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
75% (63% fat), dms., c.l..lb. .09¾- —
l.c.l. .....lb. .10¾- —
80% (68% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —
Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.
Cedarleaf, cs.....lb. .90 - .95
dms. .....lb. .85 - .90
Cedarwood, Oregon, cns., dms., lb. .23 - .30
Southern, cns., dms.....lb. .22 - .25
Celery, bots.....lb.15.00 -16.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .26¾- .27
tanks .....lb. .25¾- —
Cinnamon, Ceylon, bots.....lb.14.75 -30.00
Citronella, Ceylon, cns.....lb. .39 - .40
dms. .....lb. .37 - .38
Java, cns, dms.....lb. .37 - .39
Clove, makers, USP, cns.....lb. 1.10 - 1.15
dms. .....lb. 1.05 - 1.10
Coconut, Manila, Crude, tanks, lb. .02¾- —
edible, 76°, dms. (returnable), c.l..lb. .07½- —
l.c.l. .....lb. .08 - —
tanks .....lb. .06¾- —
Cod, Newf., bbls.....gal. .60 - —
Codliver, med., USP, bbls..bbl.70.00 -75.00
Coriander, bots.....lb.15.00 -16.00
Corn, crude, tanks, wks.....lb. .05¾- .06
refd., bbls.....lb. .08¾- .08¾
Cottonseed, cooking, bbls.....lb. .07½- —
salad, bbls.....lb. .07¾- —
Creosote (see C).
Croton, N. F., cns.....lb. 2.50 - 2.75
Cubeb, USP, cns.....lb. 3.00 - 3.25
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.50 - 9.00
Cypress, bots.....lb. 5.25 - 5.50
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.70 - 1.75
California, f.o.b. San Francisco, truck..gal. .05½- —
Dill seed, bots.....lb. 4.50 - 5.00
weed, bots.....lb. 5.25 - 5.50
Dip (see L).
Erigeron, cns.....lb. 2.00 - 2.50
Eucalyptus, cns.....lb. .65 - .67
dms. .....lb. .63 - .65
Fennel, sweet, cns.....lb. 2.05 - 2.15
Fuel, bunker, California, tide-water..bbl. .75 - .80
Gulf Coast, at terminal..bbl. .80 - —
Louisiana, Arkansas, 10-14, bbl. .70 - —
N.Y. and N.J. terminals..bbl. 1.15 - 1.25
North Texas, 18-22.....bbl. .72½- .77½
24-28, zero cold test....bbl. 1.00 - —
Oklahoma, 18-22.....bbl. .72½- .77½
24-28, zero cold test....bbl. 1.00 - —
24-28, 15 and above....bbl. .80 - —
Pennsylvania, 36-40.....gal. .04½- .05
Furnace, Bayonne, 1, bulk, refinery..gal. .0510- .0550
2, bulk, same basis.....gal. .04½- —
4, bulk, same basis.....gal. .04½- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03½- .03½
Oklahoma, 28-32.....gal. .03¼- .03¾
32-36 .....gal. .03¾- .03¼
36-38 .....gal. .03¾- .04
38-40 zero, 60 e.p.....gal. .03½- .03¾
Fusel (see F).
Gas, 27 plus, Bayonne, bulk..gal. .0410- —
Gulf Coast, bulk.....gal. .03¼- —
Group 3, bulk.....gal. .02¾- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb.12.25 Nom.
Bourbon, cns.....lb.12.00 Nom.
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.60 - 1.65
Grapseed, dom., dms.....lb. .45 - .50
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 3.00 - 3.10
Haarlem, imp., bots.....groes No prices
Hemlock, cns.....lb. .85 - .90
Juniper berry, USP XI, cns..lb. 9.00 Nom.
wood, tech., cns.....lb. .50 - —
Juniper tar, USP XI, cns....lb. .39 - .40
Lard, common, 1, bbls.....lb. .07¾- —
2, bbls.....lb. .07½- —
extra, bbls.....lb. .08¼- —
1, bbls.....lb. .08 - —
winter, strained, bbls.....lb. .08½- —
prime, burning, bbls.....lb. .09 - —
prime, ined., bbls.....lb. .08¾- —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. No stocks
38-42% ester, cns.....lb. 7.50 - 7.75
36-38% ester, cns.....lb. 5.50 - 5.75
30-32% ester, cns.....lb. 5.00 - 5.25
garden, cns.....lb. .65 - .70
spike, Spanish, tech., cns..lb. 1.40 - 1.60
dms. .....lb. 1.35 - 1.55

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U.S.I. ALCOHOL NEWS

December ★ A Monthly Review of Technical Developments for Chemists and Executives ★ 1940

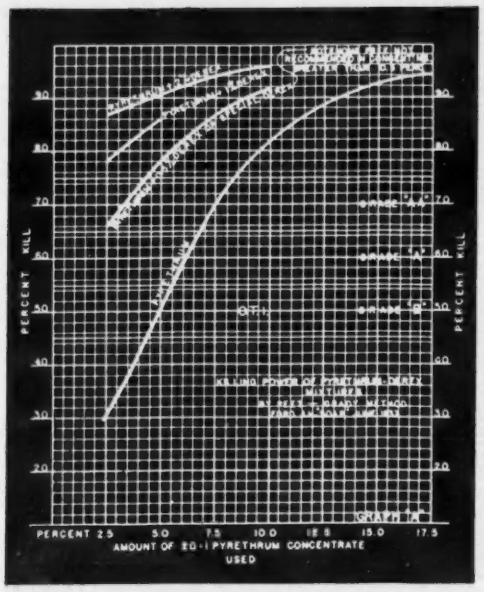
LOWER SPRAY COSTS PER UNIT KILL

Solvent for Derris Extractives Increases Insecticidal Powers

Low cost, high kill power in insecticides are easily obtained by the use of Dimethyl Carbobutoxy Dihydropyrone, the solvent for derris extractives specially developed by U.S.I. "Dihydropyrone" has the special advantage of being insecticidally active.

"Dihydropyrone" is available to manufacturers who prefer to use their own derris extractives. For manufacturers who desire a ready-to-use concentrate, U.S.I. offers DEREX, a solution of derris extractives, with or without rotenone, in "Dihydropyrone."

DEREX offers exceptional opportunities to obtain high kill economically. Derris extractives give lowest cost per unit kill, and their



Graph shows increase in kill power when small amounts of DEREX are added to pyrethrum.

effectiveness is increased by solution in "Dihydropyrone." When 0.5% DEREX is added to a paralytic agent having a knockdown equal to that of 3% pyrethrum, 20 pound concentrate, the resulting spray has AA Grade kill, and possesses the added sales advantage of being *practically odorless.*

"Dihydropyrone" dissolves 7.5% rotenone at 20° C., dissolves 25-30% derris resinate at the same temperature. It will hold derris extractives in solution in the commonly used base oils. Its excellent repellent properties are especially suitable for cattle sprays and mosquito lotions. In combination with U.S.I.'s BK-5, it can be used for formulating lotions combining sun-screening and mosquito-repelling properties.

U.S.I. will gladly give further information on "Dihydropyrone" and DEREX.

Insecticidal sprays with high kill power and practically no odor can be formulated at low cost with U.S.I.'s solvent, "Dihydropyrone," which possesses insecticidal properties of its own.

TECHNICAL DEVELOPMENTS

For further information write U.S.I.

A soap anti-oxidant is said to be effective in proportions of 1.1%, and to require less perfume in the soap because it results in less soapy odor. **(No. 400a)**

Perfumery mixtures recently patented contain ingredients prepared by reacting acetone or other ketones with alkyl pyrocatechols. It is said that compounds can be prepared with odors simulating amber, opoponax, labdanum. **(No. 401a)**

A drug mill of stainless steel is said to resist corrosion by materials commonly used in pharmaceutical preparations and to reduce danger of contamination. **(No. 402a)**

A bottle cleaner is described as intended for removing lint, dust, and dirt from new glassware after unpacking it from shipping cartons. Maker says it is automatic, handles a wide variety of types. **(No. 403a)**

Straining mucilage or thick emulsions is simplified by the use of a turbine sifter, it is claimed. It is said that the sifter can be used in continuous operation. **(No. 404a)**

Recommended colors for eye cosmetics are summarized in a recently issued bulletin. **(No. 405a)**

A "promulsor" is said to combine principles of homogenizer and colloid mill, and to be adaptable to requirements of food, drug, and cosmetic industries. **(No. 406a)**

New artificial civet is described as twice as strong as Abyssian civet, equal in strength to civet absolute. **(No. 407a)**

A magnolia character can be imparted to extracts, powders, and creams by a new product, it is claimed. **(No. 408a)**

ALCOHOL GIVES COOL EFFECT IN CLEANSING PAD LOTIONS

Popular cleansing pads get extra sales value from the use of lotions containing alcohol, which imparts a cooling effect, it is reported. Relative newcomers in the cosmetic field, these lotions have quickly established themselves, offer interesting sales possibilities.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 EAST 42ND ST., NEW YORK (USI) BRANCHES IN ALL PRINCIPAL CITIES
INDUSTRIAL ALCOHOL IN ALL GRADES AND ALL FORMULAS

TESTS OF MANY TYPES GUARD PURITY OF U.S.I. ALCOHOL

No. 6 OF A SERIES ON THE CONTROL AND TESTING OF U.S.I. ALCOHOL

IN CONTROLLING the purity and quality of U.S.I. Alcohol, every type of test is employed that is of value in assuring the maintenance of U.S.I. standards. Many of these tests are commonly known and widely used. Others were developed by U.S.I. as a result of its long experience in alcohol manufacture, and give *extra* assurance of the qualities you want when you buy alcohol.

Chemical tests of extreme delicacy have been devised to detect the presence of the slightest traces of impurities. And the results of these tests are rechecked by supplementary procedures that range from spectroscopic analysis to odor tests by skilled "sniffers"!

This constant care in the testing of U.S.I. Alcohol means important sales advantages for *you*—for it helps you to formulate products that will please your most discriminating customers and bring repeat sales for your perfumes and cosmetics.

U. S. INDUSTRIAL CHEMICALS, INC.

▲ **Exceeding generally accepted standards for purity, U.S.I. Pure Ethyl Alcohol is the choice of leading hospitals, scientific institutions, food manufacturers. U.S.I. Specially Denatured Alcohol is manufactured under the same rigid standards.**

▶ **Odor tests at U.S.I. have been developed to a high degree of efficacy. They serve to supplement and check the data determined by chemical analyses, provide an additional safeguard for the quality of U.S.I. Alcohol.**

Oil, lemon, Calif., cns.....lb. 5.25 - —
Messina, coppers, cns.....lb. 5.00 Nom.
Terpeneless, Type 1.....lb. 10.50 -16.50
Type 2.....lb. 9.25 -14.50
Lemongrass, native, cns., dms., lb. .78 - .80
Lime, dist., cns.....lb. 4.75 - 5.00
expressed, cns.....lb. 7.75 - 8.00
Terpeneless, Type 1.....lb. 70.00 -78.00
Type 2.....lb. 42.00 -46.50
Linaloe wood, cns.....lb. 1.60 - 1.65
Linseed, raw, dms., c.l.....lb. .0870- .0890
l.c.l., 10 to 69.....lb. .0910- .0930
5 to 9.....lb. .0930- .0950
less than 5.....lb. .0950- .0970
tanks .....lb. .0810- .0830
Boiled linseed oil .004 cent over raw.
Lovage, bots.....lb. 41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California (f.o.b. San Francisco), green, 70, 80,100 vis. at 210° F., tanks..gal. .17 - .17½
200, 300, 350, 750 vis., at 100° F., tanks..gal. .15 - 16½
pale, 75, 100, 200, 300, 500, 750 vis., at 100° F., tanks..gal. .13½- .16½
red, 100, 200, 300, 500 vis., at 100° F., tanks, gal. .13½- .16
Oklahoma, bright stocks, 100-110 D, color 4.0-10 pour, tanks..gal. .15 - —
15-25 pour, tanks.gal. .15½- —
150-160 D, color, 4¼, 0-10 pour, tanks .gal. .15½- —
15-25 pour, tanks .gal. .13½- —
bright stocks, 150-160, E, color 5½, 15-25 pour, tanks..gal. .13½- —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .12½- —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .08 - —
180 vis., 5 color, tanks, gal. .09 - —
4 color, tanks.....gal. .09 - —
200 vis., 3 color, tanks., gal. .08½- —
4 color, tanks.....gal. .08½- —
250 vis., 3 color, tanks, gal. .10 - —
4 color, tanks.....gal. .10 - —
280 vis., 3 color, tanks, gal. .10½- —
4 color, tanks.....gal. .10 - —
10-25 pour prices are ½c. per gallon less than zero to 10° pour.
Pennsylvania, bright stocks, 8 color, 140-150 vis., 545-550 flash, 10 pour, tanks..gal. .14½- —
15 pour, tanks.....gal. .13½- —
25 pour, tanks.....gal. .12 - .13
Cylinder oil, 600 flash, tanks..gal. .09 - .11
630 flash, tanks....gal. .11 - .12
600 steam refined, tanks, gal. .07 - .08
650 steam refined, tanks, gal. .08 - .10
Neutrals, 150 vis., 70°F., 8 color, 400-405 flash, zero pour, tanks..gal. .22½- —
10 pour, tanks.....gal. .21½- —
15 pour, tanks.....gal. .20½- —
25 pour, tanks.....gal. .19 - .20
200 vis., 70°F., 3 color, 420-422 flash, zero pour, tanks..gal. .24½- —
10 pour, tanks.....gal. .23½- —
15 pour, tanks.....gal. .22½- —
25 pour, tanks.....gal. .21 - .22
Mace, dist., cns., dms.....lb. 2.25 - 2.30
Mandarin, superior, coppers..lb. 8.00 -11.00
Menhaden, crude, tanks, fut., Balto..gal. .30 Nom.
refd., alkali, dms.....lb. .0840- .0880
tanks .....lb. .0780- —
blown, dms.....lb. .0860- .0900
kettle-bodied, dms.....lb. .0960- .1000
light-pressed, dms.....lb. .0780- .0820
tanks .....lb. .0720- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP., bots., cns..lb. 1.50 - 1.60
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .08¾- —
1, bbls.....lb. .08 - —
prime, bbls.....lb. .08½- —
pure, bbls.....lb. .10¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 200.00- 325.00
Nutmeg, dist., cns., dms....lb. 2.25 - 2.30
Oleo, 1, bbls.....lb. .07⅝- —
2 bbls.....lb. .07¼- —
Officica, dms.....lb. .18½- .19½
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 2.40 Nom.
edible, dms.....gal. 3.25 Nom.
foots, dms.....lb. .10½Nom.
sulphonated, 50%, (42% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l., lb. .127 - —
l.c.l. .....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.40 - 1.50
Calif., cns.....lb. 2.00 - —
Florida, cns.....lb. 1.25 - 1.30
Messina, USP, coppers....lb. 8.00 Nom.
West Indies, cns.....lb. 2.50 - 2.60
terpeneless .....lb. 42.00 -50.00
Origanum, cns.....lb. 1.05 - 1.45
Palm, Niger, dms.....lb. .03½ Nom.
shipment .....lb. .03 Nom.
softs, 12½%, bulk, shipt..lb. .02 Nom.
Sumatra, shipt., bulk.....lb. .02 Nom.
Palmarosa, cns.....lb. 2.50 - 2.60
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal. .05¾- —
Patchouli, bots., cns.....lb. 5.00 - 6.00
Peanut, crude, dom., tanks..lb. .05 Nom.
refd., edible, bbls.....lb. .07¾ Nom.
Pennyroyal, dom., cns.....lb. 3.00 Nom.
import, cns.....lb. 2.25 - 2.50
Peppermint, natural, cns., dms., lb. 2.85 - 3.10
redist., USP, cns., dms.....lb. 3.10 - 3.35
Perilla, dms.....lb. .18 Nom.
tanks .....lb. .17¼ Nom.
Petitgrain, Paraguay, cns....lb. 1.35 - 1.40
Pimento berry, cns.....lb. 4.20 - 7.25
leaf, cns.....lb. 2.25 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms.....gal. .50 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.25 - 1.30

Oil, putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, dms.....lb. .17½- —
denat., bbls.....gal. 1.00 Nom.
Red, dist., or saponif., dms., dlvd..lb. .06¾- .07¼
tanks, dlvd.....lb. .06¼- —
Rose, artif., bots.....oz. 1.35 - 2.25
natural, coppers.....oz. 5.50 -22.50
Rosemary, Spanish, cns.....lb. .71 - .73
dms. .....lb. .63 - .64
Rosin, 1st rectfd., dms.....gal. .42 - —
2d rectfd., dms.....gal. .44 - —
3d rectfd., dms.....gal. .48 - —
Rue, bots.....lb. 4.50 - 4.75
Sage, cns.....lb. 3.25 - 3.50
Sandalwood, E.I. USP, cns..lb. 4.95 - 5.25
Mysore, cns., case lots.....lb. 5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst..gal. .41 - —
refd., alkali, dms.....lb. .0840- .0880
tanks .....lb. .0780- —
kettle-bodied, dms.....lb. .0960- .1000
light-pressed, dms.....lb. .0780- .0820
tanks .....lb. .0720- —
Sassafras, artif., cns.....lb. .75 - —
dms. .....lb. .72 - —
natural, cns., dms.....lb. 1.00 - 1.25
Savin, cns.....lb. 5.50 - 6.00
Savory, cns.....lb. 3.50 - 3.75
Sesame, crude, coast, tanks..lb. .07¼- —
Oil, shingle stains, bbls., c.l., works..gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.50
Soybean, dom., crude, dms..lb. .06½- .06¾
tanks .....lb. .05¾- —
refd., dms.....lb. .07⅜- .08¼
tanks .....lb. .06⅜- .07¼
Spearmint, dms.....lb. 2.30 - 2.40
Sperm, bleach, 38°, dms.....lb. .1100- —
45°, dms.....lb. .1030- —
natural, dms.....lb. .0980- —
Spruce, cns., dms.....lb. .80 - .85
Sweet, birch, North, cns.....lb. 2.25 - 2.65
South, cns.....lb. 1.55 - 1.70
Tall, crude, dms., c.l., works, ton. 40.00 - —
l.c.l., works.....ton. 45.00 -50.00
tanks, works.....ton. 30.00 - —
distilled, dms., c.l., dlvd..lb. .05½- .07
l.c.l., dlvd.....lb. .06½- .08¼
tanks, dlvd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .07⅜- —
tanks .....lb. .07¼- —
Tansy, cns.....lb. 4.25 - 4.50
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .26 - —
E. ports, c.l.....gal. .25 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .17½ Nom.

Oil, Lemon—Oil, Wormwood

Oil, tea tree (see Oil, Ti tree).
Thyme, NF, red, dms.....lb. .80 - 1.75
white, dms.....lb. .95 - 1.95
Tung (see Oil, chinawood).
Ti tree, cns.....lb. 2.30 - 2.80
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 7.00 - —
Valerian, bots.....lb. 8.00 - 9.00
Vetiver, bots.....lb. 4.75 - 8.00
Whale, ref., natural, dms..lb. .0910- —
winter, bleach, dms.....lb. .0950- —
Wheat germ, cns., dms....gal. 17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .31 - .38
65-75 vis, dms.....gal. .33 - .40
80-90 vis., dms.....gal. .34 - .41
80-90 vis., dms.....gal. .36 - .43
95-105 vis., dms.....gal. .40½- .47½
125-135 vis., dms.....gal. .46 - .53
140-150 vis., dms.....gal. .49 - .55
175-185 vis., dms.....gal. .53½- .60½
200-210 vis., dms.....gal. .56½- .63½
320-330 vis., dms.....gal. .64 - .71
335-345 vis., dms.....gal. .65 - .72
Russian, 80-90 vis., dms.gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.35 - 5.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 3.25 - 3.35
Wormwood, cns.....lb. 4.50 - 4.75

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Copr., 1940, California Fruit Growers Exchange, Products Department

Oil, Ylang Ylang—Phenol

Oil, ylang-ylang, Bourb., bots., cns.	lb.	7.00 Nom.
Manila, bots.	lb.	23.00 Nom.
Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
ground, 325 mesh c.l., mines,	ton.	20.00 - —
200 mesh, c.l., mines	ton.	17.00 - —
100 mesh, c.l., mines	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium, USP, cns.	lb.	11.50 -12.50
gran., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50
Orange Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Colo., Mont., N. M., Wyo.	lb.	.11½- —
Other points	lb.	.11 - —
smaller lots, dlvd., Ala. etc.	lb.	.11¾- —
Ariz., etc	lb.	.12¼- —
Colo., Mont., N. M., Wyo.	lb.	.12 - —
Other points	lb.	.11½- —
Orange, mineral, French, Tours, casks, ex dock	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.45 - .50
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.11 - .12½
Orris root, Florentine, bgs.	lb.	.80 Nom.
fingers, cs.	lb.	1.50 Nom.
powd., bbls., bxs.	lb.	.85 Nom.
Verona, bls.	lb.	.75 Nom.
powd., bgs., cns.	lb.	.80 Nom.
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloranilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16 - —
l.c.l., same basis	lb.	.16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06 - —
l.c.l., same basis	lb.	.07 - —
100-lb. tins, same basis	lb.	.08 - —
50-lb. tins, same basis	lb.	.09 - —
tanks, same basis	lb.	.05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange extract, cryst., bbls.	lb.	.21 - —
liquid, 42°, bbls.	lb.	.09 - —
51°, bbls.	lb.	.10 - —
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.65 - 4.00
Orthotoluene hydrochloride, dms.	lb.	.22 - —
Sulphonate, kgs.	lb.	2.00 - 2.05

P

Papain, powd., cs.	lb.	1.40 - 1.45
Paprika, Algerian, bgs.	lb.	.35 - .36
Bulgarian, bgs.	lb.	.29½ - .30
Hungarian, extra fancy, bgs.	lb.	.42 Nom.
medium, bgs.	lb.	.41 Nom.
Portuguese, extra fancy, bgs.	lb.	.26½- .27½
fancy, bgs.	lb.	.25½- .26½
Spanish, extra fancy, cs.	lb.	.40 - .41
medium, cs.	lb.	.36 - .37
Parachlorophenol, dms.	lb.	.32 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12¼- .13¼
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.0285- .03
bbls., c.l., N.Y.	lb.	.0285- .03
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.0285- .03
bbls., c.l., N.Y.	lb.	.0285- .03
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.02¾- —
fully refd., bgs., 123-125 A.m.p., bgs., c.l.	lb.	.0370- —
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570- —
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595- —
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0625- —
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650- —
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725- —
142-145 A.m.p., bgs., or loose, c.l.	lb.	.0820- —
151-153 A.m.p., bgs., or loose, c.l.	lb.	.15 Nom.
Refined paraffin prices in cases are ¼c. lb. higher than bags price; solid in tankcars is 5c. lower.		
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03¼- —
semi-refd., solid, 122-124 A.m.p., bgs.	lb.	.03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.23 - —
100 to 900 lbs. shipments, same basis	lb.	.24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works.	lb.	.10 - —
l.c.l., works.	lb.	.11½- —
5 and 10-gal. dms., works	lb.	.15 - —
USP, cs., obys.	lb.	.37 - .45
Paranitrophenol, kgs.	lb.	.35 - —
Paranisidine, dms.	lb.	.75 - —
Paranitroanilin, kgs., works	lb.	.45 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.48 - —
Pareira brava root, bls.	lb.	.20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
l.c.l., same basis	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.08 - .09
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.30 - .32
Pennyroial leaves, bls.	lb.	.15 - .16
Pentane, norm., 28-38°, dms., c.l., G.3.	gal.	.11½- —
l.c.l., G.3	gal.	.16 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G.3,	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Alleppey, bags.	lb.	.07¾- —
Lampong, bags.	lb.	.0410- .0440
Tellicherry, bags.	lb.	.07½- .07¾
White, Java, Muntok, bags.	lb.	.07½- .08
Singapore, Muntok	lb.	.07¾- .07½
Red, chillies, Japan, Hontaka.	lb.	.23½- .24
Mombassa, bgs.	lb.	.27½ - .28
Peppermint leaves, dom., bls.	lb.	.60 - .65
imports, bls.	lb.	.90 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½- —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.65 - .67
Petrolatum, amber, dms., c.l.	lb.	.02¾- —
l.c.l.	lb.	.03¾- —
amber, extra, dms.	lb.	.03 - —
l.c.l.	lb.	.04 - —
white, cream, dms., c.l.	lb.	.04 - —
l.c.l.	lb.	.05½- —
lily, dms., c.l.	lb.	.04¾- —
l.c.l.	lb.	.06¼- —
snow, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.07½- —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.60 - 1.71
Canada	bbl.	2.07 - 2.10
Central West:—		
Illinois	bbl.	.53 - 1.16
Lima	bbl.	.90 - —
Michigan	bbl.	.92 - 1.18
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast	bbl.	.86 - 1.28
Kentucky, Tennessee	bbl.	1.10 - 1.20
Louisiana, Arkansas	bbl.	.73 - 1.03
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.71 - 1.03
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford, Allegany	bbl.	2.00 - —
Corning	bbl.	1.12 - —
N. Y. Transit lines	bbl.	2.00 - —
Eureka lines	bbl.	1.59 - —
S. W. Penn lines	bbl.	1.65 - —
Lower district in National Transit lines	bbl.	1.68 - 1.93
Petroleum, crude bulk, at wells, Pennsylvania, Rock Mountains	bbl.	.35 - 1.10
South Central and Southwestern Texas	bbl.	.86 - 1.29
Texas Panhandle	bbl.	.67 - .98
West Texas	bbl.	.83 - .86
Ether, 30-60°, dms., c.l., G.3,	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
35-60°, dms., l.c.l., G.3	gal.	.30½- —
40-75°, dms., c.l., G.3	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
laboratory grade, dms., c.l., G.3	gal.	.14½- —
c.l., G.3	gal.	.25½- —
10-gal. lots, G.3	gal.	.30½- —
Lacquer, diluent, at refinery:—		
California, 100 l.b.p., 200 e.p., tanks, dlvd., Los Angeles	gal.	.11 - —
San Francisco	gal.	.11¼- —
f.o.b. Richmond	gal.	.11 - —
Willbridge, Ore., Fort Wells, Wash.	gal.	.12 - —
East Coast, tanks	gal.	.09½- .10
Group 3, toluol type, tanks,	gal.	.07¾- —
benzol type, tanks	gal.	.07⅞- —
Naphtha, cleaners', at refinery:—		
California (f.o.b. San Francisco), tanks.	gal.	.12 - —
East Coast, tanks	gal.	.09 - .10¼
Group 3, tanks	gal.	.06¾- .07
tankwagon, Boston, ex tax.	gal.	.13½- —
Bridgeport	gal.	.13½- —
Chicago, inc. 4c. tax	gal.	.18 - —
Decatur, inc. 4c. tax	gal.	.1910- —
Des Moines, inc. 4c. tax,	gal.	.1890- —
Evansville, inc. ex tax.	gal.	.15 - .16
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 - —
Newark, ex tax	gal.	.11½- —
New York, ex tax	gal.	.10½- —
Omaha, ex tax	gal.	.1490- .1590
Philadelphia, ex tax	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), bbls.	gal.	.24 - —
East Coast, tanks	gal.	.09½- —
Group 3, light, 120 l.b.p., 250 e.p., tanks.	gal.	.06¾- .07
standard, 180 f.b.p., 288 e.p., tanks.	gal.	.06¾- .07
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks.	gal.	.11 - —
East Coast, tanks	gal.	.0830- .09½
Group 3, tanks	gal.	.06¾- .06½
tankwagon, Boston, ex tax.	gal.	.14 - —
Chicago, inc. 4c. tax.	gal.	.1640- —
Decatur, inc. 4c. tax.	gal.	.1860- —
Des Moines, inc. 4c. tax.	gal.	.1840- —
Evansville, Ind., ex tax.	gal.	.14 - .15
Milwaukee, inc. 5c. tax.	gal.	.1980- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820- —
Newark, ex tax	gal.	.09½- —
New Orleans, ex tax.	gal.	.11 - —
New York, ex tax	gal.	.09¼- —
Omaha	gal.	.1360- .1450
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1340- —
Tulsa, ex tax	gal.	.10½- .11½
Thinners, at refinery:—		
California (f.o.b. San Francisco), 166-252, b.r., tanks,	gal.	.10½- —
198-290 b.r., tanks	gal.	.10½- —
246-397 b.r., tanks	gal.	.10½- —
312-408 b.r., tanks	gal.	.09 - —
362-458 b.r., tanks	gal.	.09 - —
East Coast, 43-47, tanks.	gal.	.0830- .09½
47-49, tanks	gal.	.10½- —
Group 3, tanks	gal.	.05¾- —
Tankwagon, tax included:—		
Albany	gal.	.13½- —
Baltimore (100 gals.)	gal.	.14 - —
25-99 gals	gal.	.16 - —
Boston	gal.	.13½- —
Bound Brook, North Amboy, N. J.	gal.	.13½- —
Bridgeport, Conn.	gal.	.11½- —
Buffalo	gal.	.15½- —
Camden, N. J.	gal.	.10 - .11½
Chicago	gal.	.1670- —
Decatur	gal.	.1810- —
Des Moines	gal.	.1790- —
Evansville, Ind.	gal.	.1420- .1520
Milwaukee	gal.	.1930- —
Minneapolis-St. Paul.	gal.	.19½- —
Newark	gal.	.09½- —
New York (200 gals.).	gal.	.09½- —
Omaha	gal.	.12½- —
Pittsburgh	gal.	.11½- .13½
Providence	gal.	.12 - —
Rochester	gal.	.12½- —
St. Louis	gal.	.1470- —
Syracuse	gal.	.10½- —
Trenton	gal.	.10½- —
Wilmington, Del.	gal.	.12½- —
Phenobarbital, 5-lb. bots.	lb.	3.95 - —
bots. or cns., 100 lbs., spot or contract.	lb.	3.60 - —
25-lb. cns.	lb.	3.85 - —
Phenol, USP, dms., c.l., works, frt. equald.	lb.	.12 - —
l.c.l., same basis	lb.	.12¾- —
under 1,000 lbs.	lb.	.13¾- —
tanks, works	lb.	.11 - —

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Today, makers of dry chemical and mineral products are making welcome economies and more satisfied customers by shipping in Bemis Waterproof Bags.

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are also made
ODORPROOF, SIFTPROOF, DUSTPROOF, LINTPROOF, ACID AND GREASE RESISTANT . . .

WATERPROOF DEPARTMENT
BEMIS BRO. BAG CO.
ST. LOUIS • BROOKLYN

BEMIS BRO. BAG CO.
400 Poplar Street, St. Louis, Mo.; 5102 Second Avenue, Brooklyn, N. Y.
Please send your special brochure and details about use of Bemis

Waterproof Bags for _____ (Product)

Firm Name _____

Street Address _____

City _____ *State* _____

Mark for the attention of _____

Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb.14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.90 - 3.00
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots. lb. 4.00 - —
hydrochloride, CP, bots., works. lb. 4.00 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls.. works.....lb. 2.25 - —
Phlorogiucinol, CP, tins, wks..lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.25 - —
land pebble, 68% min., bulk, mines..long-ton. 1.90 - —
70% min., bulk, mines.... long ton. 2.15 - —
72% min., bulk, mines.. long ton. 2.40 - —
73% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines..... long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .39 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works.....lb. .40 - —
kgs.. works.....lb. .45 - .50
Phthalic annydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .11
Pilocarpine hydrochloride, bots., vls..oz. 3.75 - 4.00
Nitrate, bots., vls.....oz. 3.75 - 4.00
Pimento, bags.....lb. .21 - .21½
Pinkroot, bls.....lb. .40 - .43
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .53
Root bark, bgs.....lb. .47 - .48
Poppy flowers, red, bls.....lb. .75 - .80
Seed, Dutch, bgs.....lb. .30½- .31
Hungarian, bgs.....lb. .29 - .30
Roumanian, bgs.....lb. .28 - .29
Turkish, bgs.....lb. .27 - .27½
Potash abietate.....lb. .08 -
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demi., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .17 - —
kgs., 100 lbs.....lb. .19 - —
gran., bbls., 250 lbs.....lb. .17 - —
kgs., 100 lbs.....lb. .19 - —
Bichromate, spot, c.l., works..lb. .08½- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fib. dms.. 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03¼- .03¾
tanks .....lb. .03¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst, kgs.....lb. .11 - —
powd., kgs.....lb. .10 - —
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .23½- —
kgs., 100 lbs.....lb. .24½- —
cns., 50 lbs.....lb. .25½- —
cns., 25 lbs.....lb. .27½- —
Cyanide, dms., works.....lb. .75 - —
Cyanide, gold, 11% gold, bots., works..oz.14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.09 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.20 - —
bots. or cns.....lb. 1.20 - 1.35
dms. .....lb. 1.20 - 1.25
Kainit, 20% K_2O, bulk, ex-vessel, Atlantic or Gulf ports. ton. No prices
Manure salt, dom., min., 30% K_2O, bulk, ex-vessels, ports. unit-ton. .60 - —
import, 30% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Domestic manure salt prices, basis f.o.b., Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Potash metabisulphite, kgs....lb. No price.
Muriate, dom., min., 80% or 62% K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min. 80% or 62% K_2O, bulk, ex-vessel, Atlantic or Gulf port..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.
Oxalate, pure, cryst., kgs....lb. .80 - .81
tech., bbls.....lb. .35 - .36
Nitrate, crude, bgs., c.i.f. ports. ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .19¼- .19¾
U.S.P., dms.....lb. .20 - .20½
Prussiate, red, bbls.....lb. No price
Yellow, bbls.....lb. .16 - .18
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulpnate, NF, cryst., 400 lbs., bbls..lb. .16 Nom
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90% K_2SO_4, ex-vessel, ports, ton.30.25 - —
bulk, same basis.....ton.34.25 - —
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports. ton. No prices
Xanthate, dms.. c.l. lb. .15

Potash-magnesia, sulphate, dom., bgs, 40%, K_2SO_4, ex-vessel, ports..ton.27.00 - —
bulk, same basis.....ton.25.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .23 - .25
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Flaxseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and 1, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex-dock, N.Y..ton. No prices
l.c.l., 5-20 tons, ex whse., .ton. No prices
1,000-19,000 lbs., ex whse. ton. No price
2 bgs. to 1,000 lbs., ex whse. ton. No price
single bgs., ex whse..ton. No price
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs.-4.20 - -

Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd.....gal. 4.75 - 4.95
(30 to 1), 3 grams spyrethrins per 100 cc., dms., dlvd..gal. 7.20 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls....lb. .23 - .25
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .19-.15 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.00 - —
Pyrophyllite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh ,same basis.....ton.12.00 - —
No. 3, 200 mesh, c.l., mines..ton. 7.50 - —
325 mesh, same basis.....ton.12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

The last chapter on Shell Naphthas has never been written and never will be...

The reason why the story will never end is the Shell Naphtha Technician. An experienced chemical engineer, this man is one of a staff whose time is devoted solely to the study of naphthas.

Knowing the uses and characteristics of present naphthas is not enough for this man. Equally important to him is the development of new and better uses—the discovery of new and better naphthas. Each problem solved, each new advance is the signal for further research.

This man will approach your problems in the same light. Ask the nearest Shell Office to have one of these Technicians call on you.

SHELL

SHELL NAPHTHAS

Quassia—Salol

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks, (76 lbs. net), divd., N.Y..flask.167.00 -168.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.250.00 - —
ex store.....flask.252.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns..oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Quinine, citrate, cns.....oz. .18 - —
Dihydrobromide, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns.....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .99 - —

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .81 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, recleaned, bgs.....lb. .06½- .06¾
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., divd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ¼c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss. N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher divd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
Red, cadmuim, lithopone, maroon shade, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works, lb. 2.70 - —
light, works.....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.80 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .06¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls.....lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts.lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .28
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25% kgs., same basis, alizarin lake, contracts..lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .06¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 2.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidine toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.12 - 3.17
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., 50 lb., dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lbs., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .12 - .14
Rhubarb, cs.....lb. .45 - .46
powd., bbls., kgs.....lb. .50 - .51
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .29¼- —
smaller lots.....lb. .29¾- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .28¼- —
smaller lots.....lb. .28¾- —
Rosa flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 3.00
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .09 - .10
Rosin, gum, B, bbls., ex dock.. 100 lbs. 1.90 - —
D, bbls.....100 lbs. 2.05 - —
E, bbls.....100 lbs. 2.05 - —
F, bbls.....100 lbs. 2.05 - —
G, bbls.....100 lbs. 2.13 - —
H, bbls.....100 lbs. 2.20 - —
I, bbls.....100 lbs. 2.25 - —
K, bbls.....100 lbs. 2.63 - —
M, bbls.....100 lbs. 2.69 - —
N, bbls.....100 lbs. 2.75 - —
W. G., bbls.....100 lbs. 3.05 - —
W. W., bbls.....100 lbs. 3.30 - —
X, bbls.....100 lbs. 3.30 - —
wood, F.F. spot, bbls..100 lbs. 2.50 Nom.
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.37.50 - —
import, lum, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

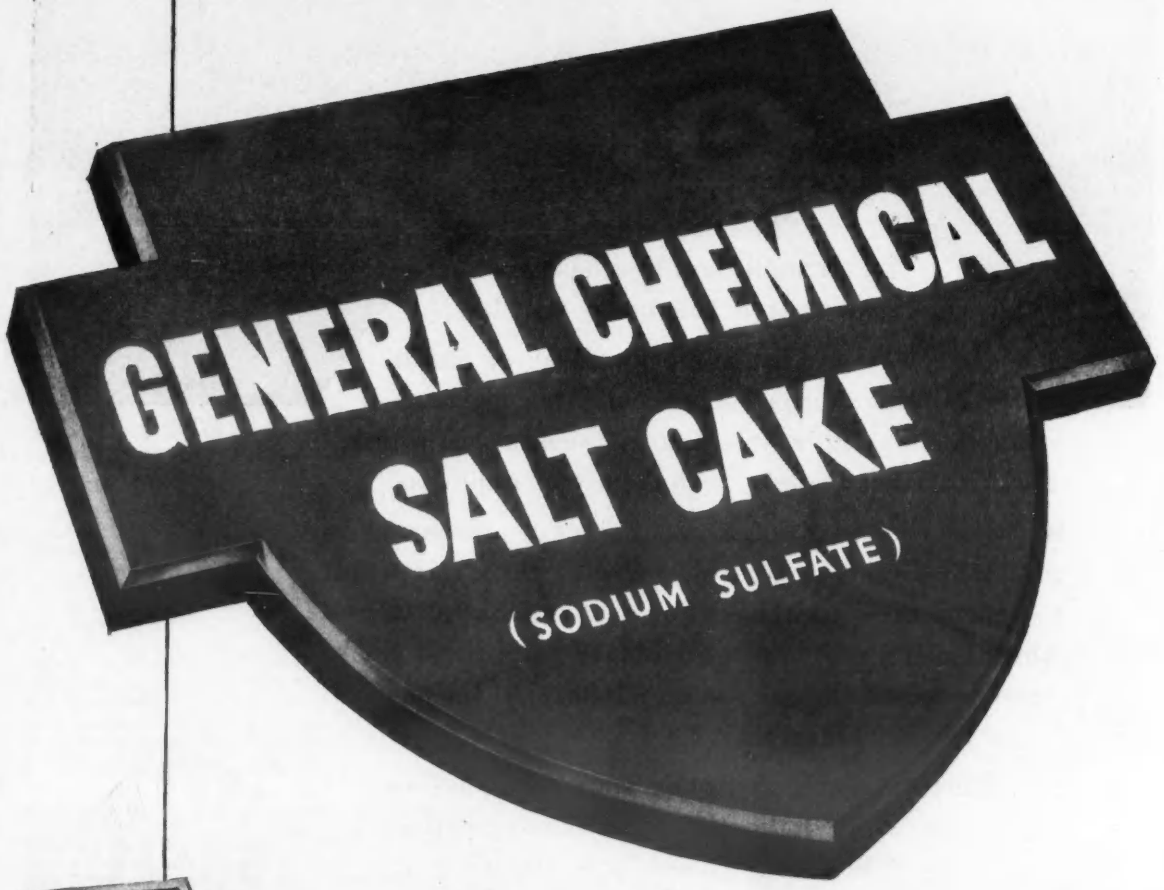
S

Sabadilla seed, powd., bbls....lb. .22 - .28
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.28.00 -29.00
Safrol, cns.....lb. .90 - —
dms.....lb. .85 - —
Sage, Dalmatian, stemless, bls.lb. No stocks
ground, bbls.....lb. 1.40 - 1.45
garden, bls.....lb. No stocks
Greek, bls.....lb. No stocks
Sago flour, bgs.....lb. .03½- .04
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 20 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., 5lb. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —

General Chemical Company's long experience in producing Salt Cake has resulted in a knowledge of the manufacturing controls necessary to the production of Salt Cake especially suited to needs of Paper-making. Salt Cake is but one of many products—Aluminum Sulfate (Commercial and *Iron Free*), is another—produced by General Chemical for this industry. Each offers particular advantages to paper manufacturers.

General Chemical Salt Cake users also have the advantage of taking delivery from the nearest of several producing plants.

Your copy of "Products of General Chemical Company" gives further information on General Chemical Salt Cake and other products used in the paper-making industry. If you haven't received a copy, write for it today.



GENERAL CHEMICAL COMPANY
40 RECTOR STREET, NEW YORK, N. Y.

Sales Offices: Atlanta • Baltimore • Boston • Buffalo • Charlotte (N. C.) • Chicago • Cleveland Denver • Houston • Kansas City • Milwaukee • Minneapolis • Montezuma (Ga.) • Newark (N. J.) New York • Philadelphia • Pittsburgh • Providence (R. I.) • St. Louis • Utica (N. Y.)
Pacific Coast Sales Offices: San Francisco • Los Angeles
Pacific Northwest Sales Offices: Wenatchee (Wash.) • Yakima (Wash.)
In Canada: The Nichols Chemical Company, Limited • Montreal • Toronto • Vancouver

Salt, Rock—Soda, Citrate

Salt, rock, bgs., dlvd., N.Y.	ton.	12.70 - —
l.c.l., bgs., dlvd., N.Y.	ton.	15.50 -16.10
vacuum, common, fine, bgs., c.l., dlvd., N.Y.	ton.	15.70 - —
l.c.l., dlvd., N.Y.	ton.	16.60 -19.70
Saltcake, grd., dom., bbls., works,	ton.	24.00 Nom.
bulk, works	ton.	17.00 Nom.
import, bulk, c.i.f.	ton.	20.00 Nom.
Chrome (see Chrome cake).		
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls.	100 lbs.	8.60 - 9.00
1-9 tons	100 lbs.	8.75 - 9.75
less than ton lots	100 lbs.	9.00 -10.00
sras., bbls., 10-20 tons,	100 lbs.	7.60 - —
1-9 tons	100 lbs.	7.75 - —
less than ton lots	100 lbs.	8.00 - —
powd., bbls., 10-20 tons	100 lbs.	8.60 - —
1-9 tons	100 lbs.	8.75 - —
less than ton lots	100 lbs.	9.00 - —
Santonin, cryst., cns.	kilo.	150.00-155.00
Saponin, crude, cns.	lb.	2.25 - 2.50
Purified, cns., 25 lbs.	lb.	3.00 - 3.25
Sarsaparilla root, Honduras, bls.	lb.	.30 - .31
Mexican, bls.	lb.	.16 - .18
Sassafras, bark, ord., bls.	lb.	.13 - .14
select, bls.	lb.	.20 - .21
Savory, bales	lb.	.70 - .72
Saw palmetto berries, bgs.	lb.	.06 - .09
Scammony root, bgs.	lb.	.07 - .08
resin, lump, cns.	lb.	.85 - —
powd., bxs.	lb.	.90 - —
Schaeffer's salt, bgs.	lb.	.46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment	lb.	.22¾- —
smaller lots	lb.	.23¼- —
kegs, 5,000 lbs., 1 shipm't	lb.	.23¼- —
smaller lots	lb.	.23¾- —
Selenium, pwd. A, 10-lb. tins	lb.	2.00 - —
100-lbs. cases	lb.	1.75 - —
Senega root, spot, bls.	lb.	.80 - .85
Senna leaves, Alexandria, half leaf, bls.	lb.	.18 - .20
siftings, bgs.	lb.	.17 - .19
Tinnevelly, No. 1, bls.	lb.	.12 - .13
2 bls.	lb.	.10 - .11
3 bls.	lb.	.08¼- .09
powd., bbls., bxs.	lb.	.12 - .13
Pods, bls.	lb.	.09 - .10
Serpentaria root, bls.	lb.	.60 - .65
Shellac, bleached, bonedry, bbls. f.o.b. N.Y.	lb.	.26 - .27
dlvd., Boston	lb.	.26½- .27½
Chicago	lb.	.26¾- .27¾
Pacific Coast	lb.	.29 - .30
rfd., bbls., f.o.b. N.Y.	lb.	.32 - .33
dlvd., Boston	lb.	.32½- .33½
Chicago	lb.	.32¾- .33¾
Pacific Coast	lb.	.35 - .36
Garnet, bgs.	lb.	.20 - .21
D.C., V.S.O., or Diamond I. cs.	lb.	.28 - .29
Superfine, bgs., f.o.b. Bost., N.Y.	lb.	.17½- .18½
dlvd., Chicago	lb.	.18 - .19
Pacific Coast	lb.	.20½- .21½
T.N., bgs., f.o.b. Bost., N.Y.	lb.	.17 - .18
dlvd., Chicago	lb.	.17½- .18½
Pacific Coast	lb.	.20 - .21
Varnish, Metro, area, orange, 5-lb. cut, bbls.	gal.	1.15 - 1.20
4½-lb. cut, bbls.	gal.	1.10 - 1.15
4-lb. cut, bbls.	gal.	1.05 - 1.10
white, 5-lb. cut, bbls.	gal.	1.25 - 1.30
4½-lb. cut, bbls.	gal.	1.20 - 1.25
4-lb. cut, bbls.	gal.	1.15 - 1.20
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.		
Silica, amorph, dry-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.	17.00 - —
l.c.l., 2½ tons, works	ton.	19.00 - —
smaller lots, works	ton.	20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.	19.00 - —
l.c.l., 2½ tons, works	ton.	21.00 - —
smaller lots, works	ton.	25.00 - —
95-97%, 400 mesh, bgs., c.l., works	ton.	30.00 - —
l.c.l., 2½ tons, works	ton.	35.00 - —
smaller lots, works	ton.	38.00 - —
99-99%, 325 mesh, bgs., c.l., works	ton.	20.00 - —
l.c.l., 2½ tons, wks.	ton.	21.50 - —
smaller lots, works	ton.	23.00 - —
amorph., wet-grd., 99%, 325 mesh, bgs., c.l., works	ton.	22.00 - —
l.c.l., 2½ tons, works	ton.	25.50 - —
smaller lots	ton.	27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	13.50 - —
l.c.l., works	ton.	18.50 - —
140 mesh, bgs., c.l., works	ton.	11.00 - —
l.c.l., works	ton.	16.00 - —
Silver, bullion	oz.	.34¾- —
Govt. purchase, dom., metal	oz.	.7111- —
Govt. purchase, foreign metal	oz.	.35 - —
Cyanide, cns., 2,500 ozs.	oz.	No prices
1,000 ozs.	oz.	No prices
500 ozs.	oz.	No prices
80 to 100 ozs.	oz.	No prices
Nitrate, vis.	oz.	.26⅜- —
Nucleinate, bots., cns., 480-oz. lots.	oz.	.30 - .31
Proteinate, bots., cns., 480-oz. lots.	oz.	.29 - .30
Simarubra barks, bls.	lb.	.30 - .35
Skullcap, Eastern, bls.	lb.	.23 - .24
Western, bls.	lb.	.14 - .15
Skunk cabbage root, bls.	lb.	.11 - .12
Slate flour, bgs., c.l., works	ton.	9.00 - —
l.c.l., works	ton.	10.00 -15.00
Sloe berries, bgs.	lb.	.20 - .22
Smalt, black, extra velvet, cnts.,	lb.	.05 - .08
Blue, cnts.	lb.	.07 - .08½
Snakeroot, Cañada, bls.	lb.	.24 - .26
Soapbark, bls.	lb.	.13 - .14
crushed, bls., bbls.	lb.	.17 - .18
cut, German, bls., bbls.	lb.	No stocks
dom., bbls.	lb.	.22 - .23
powd., bbls.	lb.	.20 - .21
Soda, acetate, anhyd., dms., dlvd.	lb.	.08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd.	lb.	.04 - —
l.c.l., dlvd.	lb.	.04½- .05
powd., 90%, dms., c.l., dlvd.,	lb.	.06 - —
l.c.l., dlvd.	lb.	.06¾- —
Alginate, dms., bbls., works	lb.	.39 - .70
Antimoniate, bbls., dlvd.	lb.	.14½- .15
Arsenate, dms., dealers, c.l., works	lb.	.07 - .08
l.c.l., dms., works	lb.	.07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works	lb.	.06½- .07½
l.c.l., dms., works	lb.	.07¼- .09¼
white, dms., c.l., dealers, works	lb.	.08 - .09
l.c.l., dms., works	lb.	.08¾- .10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Soda, ash, dense, 58%, bgs., c.l., works	100 lbs.	1.10 - —
l.c.l., Zone 1	100 lbs.	2.13 - —
2	100 lbs.	2.28 - —
3	100 lbs.	2.53 - —
4	100 lbs.	2.93 - —
bbls., c.l., works	100 lbs.	1.35 - —
l.c.l., Zone 1	100 lbs.	2.35 - —
2	100 lbs.	2.50 - —
3	100 lbs.	2.75 - —
4	100 lbs.	3.15 - —
bulk, c.l., works	100 lbs.	.95 - —
extra light, 58%, bgs., c.l.,	100 lbs.	1.05 - 1.08
l.c.l., Zone 1	100 lbs.	2.08 - —
2	100 lbs.	2.23 - —
3	100 lbs.	2.48 - —
4	100 lbs.	2.88 - —
bbls., c.l., works	100 lbs.	1.45 - —
l.c.l., Zone 1	100 lbs.	— - —
2	100 lbs.	2.60 - —
3	100 lbs.	2.85 - —
4	100 lbs.	3.25 - —
bulk, c.l.	100 lbs.	.90 - —
light, 58%, bgs., c.l., works,	lbs.	1.05 - 1.08
l.c.l., Zone 1	100 lbs.	2.08 - —
2	100 lbs.	2.23 - —
3	100 lbs.	2.48 - —
4	100 lbs.	2.88 - —
58%, bbls., c.l., works,	100 lbs.	1.35 - —
bbls., l.c.l., Zone 1	100 lbs.	2.35 - —
2	100 lbs.	2.50 - —
3	100 lbs.	2.75 - —
4	100 lbs.	3.15 - —
bulk, c.l.	100 lbs.	.90 - —

Soda ash l.c.l prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zne 2: Ark. East of 93° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 93° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more	lb.	.39 - —
1,000 to 3,900 lbs.	lb.	.40 - —
900 lbs. or less	lb.	.43 - —
USP, bbls., flb., 4,000 lbs. or more	lb.	.46 - —
1,000 to 3,900 lbs.	lb.	.47 - —
900 lbs. or less	lb.	.50 - —
Bicarbonate, tech., bbls., c.l., works	100 lbs.	1.70 - —
l.c.l.	100 lbs.	2.05 - —
bgs., c.l.	100 lbs.	1.55 - 1.60
l.c.l.	100 lbs.	1.90 - 1.95
USP, gran., bbls., c.l., works,	100 lbs.	2.25 - —
powd., bbls., c.l., works	100 lbs.	1.85 - —
l.c.l., dlvd., N.Y.	100 lbs.	2.51 - —
kgs., c.l.	100 lbs.	2.10 - —
l.c.l., dlvd., N.Y.	100 lbs.	2.76 - —
Bichromate, spot, c.l., works,	lb.	.06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works	lb.	.07 - —
5 cks., or 9 bbls. or less, works	lb.	.07¼- —
Bifluoride, bbls.	lb.	.11½- .12
Bisulphite, powd., bbls., c.l., works	100 lbs.	3.00 - 3.10
l.c.l., works	100 lbs.	3.50 - 3.60
solution, 32 deg., bbls., c.l., works	100 lbs.	1.30 - —
l.c.l., bbls., works	100 lbs.	1.55 - —
33 deg., bbls., c.l., works	100 lbs.	1.35 - —
l.c.l., bbls., works	100 lbs.	1.60 - —
35 deg., bbls., c.l., works,	100 lbs.	1.40 - —
l.c.l., bbls., works	100 lbs.	1.65 - —
44 deg., bbls., works	100 lbs.	1.55 - —
l.c.l., bbls., works	100 lbs.	1.80 - —
Bromide, USP, gran., bbls., 500 lbs.	lb.	.27 - —
fiber dms., 100 lbs.	lb.	.28 - —
Cacodylate, 1-kilo bots.	lb.	No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).		
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works	100 lbs.	2.95 - —
dms., c.l., works	100 lbs.	2.70 - —
l.c.l., Zone 1	100 lbs.	3.55 - 4.90
2	100 lbs.	3.70 - 5.05
3	100 lbs.	3.95 - 5.30
4	100 lbs.	4.35 - 5.70
electro process, dms., c.l., works	100 lbs.	2.70 - —
l.c.l., same zone prices as ammonia process.		
liquid, 47-49%, buyers' tanks, works	100 lbs.	1.92½- —
sellers' tanks, works,	100 lbs.	1.95 - —
70%, buyers' tanks, works,	100 lbs.	1.97½- —
sellers' tanks, works,	100 lbs.	2.00 - —
solid, 76% ammon., process, dms., c.l., works	100 lbs.	2.30 - —
l.c.l., Zone 1	100 lbs.	3.15 - —
2	100 lbs.	3.30 - —
3	100 lbs.	3.55 - —
electro process, dms., c.l., works	100 lbs.	2.30 - —
l.c.l., same zone prices as ammon. process.		

Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works	lb.	.06¼- —
l.c.l., works	lb.	.06½- —
powd., bgs., c.l., works	lb.	.06½- —
l.c.l., works	lb.	.07 - .08½
Chromate, spot, c.l., works	lb.	.08¼- —
l.c.l., 6 cks., 10 bbls. or over, works	lb.	.08⅜- —
smaller quantities	lb.	.08⅝- —
Citrate, USP VIII, 225-lb. bbls.,	lb.	.18½- —
cns., 50-lb. lots	lb.	.20½- —
25-lb. lots	lb.	.22½- .23½
kgs., 100-lb. lots	lb.	.19½- —
USP XI, gran., bbls., 250-lb. lots	lb.	.24 - —
boxes, 50-lb. lots	lb.	.26 - —
cns., 25-lb. lots	lb.	.28 - .29
kgs., 100-lb. lots	lb.	.25 - —
powd., bbls., 250-lb. lots	lb.	.24½- —
boxes, 50-lb. lots	lb.	.26½- —
cns., 25-lb. lots	lb.	.29½- —
kgs., 100-lb. lots	lb.	.25½- —

SOLVAY

TRADE MARK REG. U. S. PAT. OFF.

PRODUCTS

New locations for plants and warehouse points, new equipment, new methods, the increasing of quality standards and improving the availability of its products, the affording of technical advice and assistance to users of alkalies — are all *demonstrated* evidence of Solvay's service to American industry.

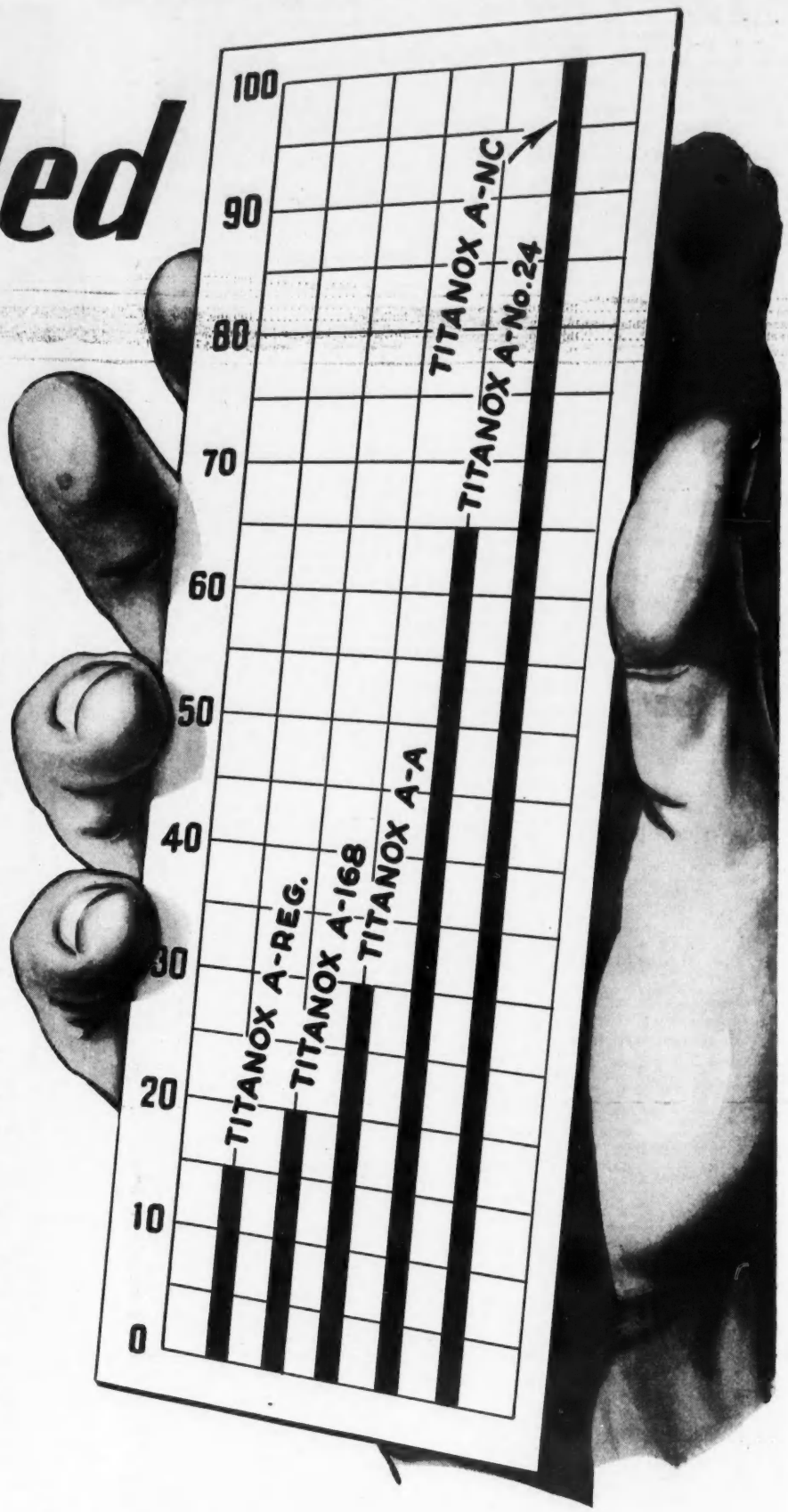
Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Heavy Duty Cleansers
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Orthodichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Products Company
40 RECTOR STREET NEW YORK, N. Y.

Branch Sales Offices:

Boston	Cincinnati	New Orleans	Pittsburgh
Charlotte	Cleveland	New York	St. Louis
Chicago	Detroit	Philadelphia	Syracuse

Controlled CHALKING RESISTANCE



By using TITANOX-A (titanium dioxide) pigments you now can obtain any degree of chalking resistance you require in your white and tinted products for exterior application in addition to unsurpassed opacity, whiteness and brightness which are the fundamental contribution of these modern pigments.

Extensive tests demonstrate that TITANOX-A NC is the most chalk-resistant of the entire line of TITANOX pigments except lead titanate.

Chalking comparisons in practical enamel formulations make possible the rating of the various grades of TITANOX-A in the order of their effect on chalking. On a chalking resistance scale of 100, regular TITANOX-A has a rating of 15. From this point there is progressive improvement through TITANOX-A No. 168, TITANOX-AA, TITANOX-A No. 24 until TITANOX-A NC is reached, representing maximum efficiency.

●

TITANIUM PIGMENT CORPORATION
SOLE SALES AGENT
111 Broadway, New York, N. Y.; 104 South Michigan Ave., Chicago, Illinois; National Lead Co. (Pacific Coast Branch), 2240 24th Street, San Francisco, California.

Our Paint Service Department will be pleased to give technical advice on the application of TITANOX pigments to your products.

TITANOX
THE NEW WHEEL HORSE OF THE PAINT INDUSTRY
REG. U.S. PAT. OFF.

TITANOX
TRADE MARK

Soda, cyanide, 96-98%, dom., dms. lb. .14 - .15
imports, 90%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., dlvd..lb. .00 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l. works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 6.49 - —
Iodide, jars.....lb. 2.42 - —
bots.....lb. 2.53 - 2.57
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhydr., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. Orange, D. C., VSO., Dia- bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton. 26.40 - —
200-lb. bgs., same basis.. ton. 28.70 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 ton.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Othosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Peroxide, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd , bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
bgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .32 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as these for soda ash and caustic soda. The sales are also the same.

Soda, sesquisilicate, dms., c.l., works..100 lbs. 2.00 - —
10 dms. or over, dlvd. N. Y. C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. No prices
import, bbls.....lb. .06½ Nom.
Stannate, dms. .....lb. .32½- .33½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works..100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.90 - 3.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.80 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms...lb. .27 - .31
Sulphocyanide, dms., cns...lb. .28 - .47
Sulphhydrate, liquid, 58% basis 100%, dms., c.l., f.o.b. works..lb. .05¼- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .06 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .28 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15½- —
smaller lots, works.....lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.00 - 3.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, regy bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, white, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .12 - .13
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.95 - —
dlvd., N. Y.....100 lbs. 3.30 - —
powd., bgs., f.o.b. Chicago. 100 lbs. 3.05 - —
dlvd., N. Y.....100 lbs. 3.40 - —
Potato, dom., bgs.....lb. .04½- .05½
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¼- —
bbls. .....lb. .07 - —
Wheat, thick, bell, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, olee, bbls.....lb. .06¼ Nom.
Stillingia root, bls.....lb. .07½- .08
Stonecrot, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 95-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - —
Iodide, bots., 5 lbs.....lb. 3.08 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¼- —
25 bbls. and over.....lb. .06¾- —
1-24 bbls. and over.....lb. .06¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .75 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton. 16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton. 17.50 - —

Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine.....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l., bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mine..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine....100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l., 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., work.l..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06¼
poultry, bgs.....lb. .05¼- .05¾
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 46-48%, a.p.a., bulk, f.o.b. Balto..unit-ton. .68 - —

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Talc, dom., Calif., 1, bgs., c.l., mills..ton. 20.00 - —
2, bgs., c.l., mills.....ton. 17.00 - —
N. Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills..ton. 14.00 -16.00
l.c.l., mills.....ton. 16.00 -18.00
96-88%, 325 mesh., c.l., mills..ton. 15.00 -17.00
l.c.l., mills.....ton. 17.00 -19.00
98-99½%, 325 mesh., bgs., c.l., mills..ton. 15.25 -17.25
l.c.l., mills.....ton. 17.25 -19.25
98-99½%, 325 mesh, bgs., l.c.l., mills.....ton. 17.25 -19.25
99.85-99.95%, 325 mesh., bgs., c.l., mills..ton. 17.00 -19.00
coarse, off color, bgs., c.l., mills..ton. 11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton. 21.00 - —
l.c.l., mills.....ton. 24.50 - —
Vermont, bgs., c.l., mills..ton. 14.00 - —
l.c.l., ex whse.....ton. 25.00 - —
Imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs, ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .04½- —
special, loose.....lb. .04¾- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (43% fat), dms., c.l..lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (43% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
high-grade, bulk, Chicago unit-ton. 2.70 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, December shipments, unit-ton. 2.60 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.10 Nom.
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .36¾- —
less than 5.....lb. .37 - —
powd., bbls., 5 or more..lb. .36¾- —
less than 5.....lb. .37 - —
USP, powd., bbls.....lb. .42 - —
Terebene, cns.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms. .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .62 - .64
Spanish, bls.....lb. .12 - .12½

Soda, Cyanide—Triethyl Citrate

Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - 1.50
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Thiamine hydrochloride, cns.gram. .98 - 1.00
Timbo root see Cube root.
Tin chloride (ous), anhyd., frt. pd..lb. .15 - —
Tin chloride (ous), anhyd.....lb. .47 - .47½
Crystals, bbls., kgs.....lb. .38 - .38½
Metal, Straits.....lb. .5005- —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .24½- —
Titanium, dioxide, bgs., c.l. (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13½- —
Pac. Cst., ex whse.....lb. .13¾- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse....lb. .16 - —
bbls., c.l. (20 tons), frt. pd..lb. .13¼- —
l.c.l., 5 tons, E. frt. pd....lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .25 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l. (20 tons), frt. pd. lb. .15¼- —
Titanium, dioxide, chalk-resistant, bgs., l.c.l., 5 tons, E. frt. pd..lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
Pac. Cst., ex whse..lb. .14¾- —
50-999 lbs., E. frt. pd..lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd., lb. .14½- —
50-999 lbs., frt. pd....lb. .14¾- —
bbls., c.l. (20 tons), frt. pd..lb. .14½- —
l.c.l., 5 tons, E. frt. pd. lb. .14½- —
Pac. Cst., ex whse..lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse..lb. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse..lb. .15 - —
barium or magnesium base, bgs., c.l., D, frt. alld..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd..lb. .05½- —
bbls., c.l., D., frt. alld....lb. .05¼- —
l.c.l., E. dlvd.....lb. .05¾- —
Pac. Cst., ex whse....lb. .05¾- —
under 50 lbs., E. dlvd..lb. .06¼- —
Calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., E. dlvd..lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05¼- —
l.c.l., E. dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., E. dlvd..lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .80 - .85
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .22 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms. returnable. gal. .33½- —
tanks, E. of Omaha, frt. alld gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brasilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd..lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
Tech., dms.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .30½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —

Triethyl Phosphate—Xylol

Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs...lb. .07½- .08
Madras, bgs.....lb. .07½- .07⅞
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .43 - —
l.c.l., 10 ex dock.....gal. .45 - —
5 ex dock.....gal. .47 - —
wood, dest., dist., dms., c.l., dlvd. E. ports..gal. .35 - —
l.c.l.....gal. .36 - —
tanks, dlvd. E. cities..gal. .30 - —
steam-dist., dms., c.l., dlvd.gal. .37 - —
l.c.l., dlvd.....gal. .40 - —
tanks, dlvd.....gal. .32 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.65 - 2.85
yellow, kgs.....lb. 1.75 - 2.00
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans...ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .95 - 1.00
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s.....ton. No price
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins...lb. 9.00 Nom.
Mexican, tins.....lb. 9.25 Nom.
cuts, tins.....lb. 9.00 Nom.
South American, tins.....lb. 9.00 Nom.
Tahiti, tins.....lb. 4.75 - 5.00
Oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.25 - 1.30
Verdigris, bbls., kgs.....lb. .22 - .28
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 20,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree .....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -39.50
Extract, solid, bgs.....lb. .03½- —
Wax, bayberry, import, bgs...lb. .20 - .21
Bees, white, bleach, slabs, cs., 1 to 5 case lots..lb. .36½- —
cakes, 1 to 5 cs., lots...lb. .37½- —
discs, 1 to 5 cs., lots...lb. .38½- —
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots..lb. .31 - .32
1 ton.....lb. .31½- .32½
500 lbs.....lb. .32 - .33
100 lbs.....lb. .32½- .33
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs., 1 ton.....lb. .19 - .19¼
Jobbing lots.....lb. .19½- .20
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .59 - .60
3 bgs.....lb. .59½- .60½
1 bg.....lb. .60 - .61
N. C., 2, bgs., 1 ton.....lb. .67 - .68
N. C., 3, bgs., 1 ton.....lb. .59 - .60
3 bgs.....lb. .59½- .60½
1 bg.....lb. .60 - .61
refined, bgs.....lb. .64 - .65
yellow, No. 1, bgs., ton....lb. .71 - .72
3 bgs.....lb. .71½- .72½
1 bg.....lb. .72 - .73
No. 2, bgs.....lb. .70 - .71
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12¼
150°-160° m.p., bgs., 1 ton..lb. .13 - .13¼
jobbing lots.....lb. .14 - .14¼
160° m.p., bgs., 1 ton.....lb. .13 - .13¼
jobbing lots.....lb. .14 - .14¼
Japan, cs.....lb. .18 - .18½
Montan bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green congeal. p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 70°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., bip. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grad., bip., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, bip. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, bip. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.60
Paris white, bips., bgs., c.l., works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air floated, 99.75%, 250 mesh, paper bags., c.l., ton. 9.65 - —
200 mesh paper bgs., c.l., same basis..ton. 8.60 - —
95%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works, ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra bgs. (extra), c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra, c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural. bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 4.25 - 4.50
Wormwood, bls.....lb. No prices

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —

They too measure up

Back of the St. Joe representatives you may meet are men of whom you see naught but their handiwork. They may be drilling ore, operating a furnace or attending to any one of many other operations. But regardless of their individual tasks, their ability measures up to and results in the high standard which is attained in St. Joe Zinc Oxides.

ST. JOSEPH LEAD COMPANY
250 PARK AVENUE, NEW YORK, N. Y.

MADE BY THE LARGEST PRODUCER OF LEAD IN THE UNITED STATES

Xylol, 5°, dms., returnable, works	gal.	.41	- —
tanks, E. of Omaha, frt. alld.	gal.	.39	- —
8°, dms., returnable, works	gal.	.43	- —
tanks, E. of Omaha, frt. alld.	gal.	.41	- —
Xylidin, mixed, dms.	lb.	.35	- .36

Y

Yara yara, cryst., cns.	lb.	1.26	- 1.60
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York	lb.	.55	- —
bottles, same basis	lb.	.60	- .64
imp., bbls., same basis	lb.	.55	- —
Cadmium, CP, import., bxs.	lb.	1.35	- 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.50	- —
smaller lots, same basis	lb.	.55	- —
kgs., ton lots, same basis,	lb.	.55	- —
smaller lots, same basis,	lb.	.60	- —
Sulphide, orange, bbls., works,	lb.	.75	- —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts.	lb.	.13½	- —
open order	lb.	.14½	- —
Chrome yellow CP prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.			
Dutch, pink, bbls.	lb.	.09	- .11
Hansa, bbls., same basis, chrome.	lb.	1.87	- —
primrose shade, bbls., same basis, chrome.	lb.	1.75	- —
Mercury oxide (see M).			
Ocher, Amer., golden A, bbls., works.	lb.	.06¼	- —
B, bbls., works.	lb.	.04½	- —
C, bbls., works.	lb.	.03½	- —
yellow A, bbls., works.	lb.	.02½	- —
B, bbls., works.	lb.	.02½	- —
C, bbls., works.	lb.	.02	- —
D, bbls., works.	lb.	.0195	- —
E, bbls., works.	lb.	.01775	- —
F, bbls., works.	lb.	.01½	- —
G, bbls., works.	lb.	.01¼	- —
H, bbls., works.	lb.	.01¾	- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import	lb.	.02475	Nom.
New York (f.o.b)	lb.	.02¾	Nom.
Philadelphia for import	lb.	.02¾	Nom.
ex dock San Pedro, San Francisco	lb.	.0290	Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans	lb.	.02575	Nom.
New York	lb.	.02¾	Nom.
Phila., for import	lb.	.02¾	Nom.
Portland, Seattle	lb.	.03½	Nom.
San Pedro, S. Francisco	lb.	.03	Nom.
ex whse., Balto, Boston, N. Orleans	lb.	.02725	Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis.	lb.	.03¾	Nom.
New York	lb.	.03	Nom.
Pittsburgh	lb.	.03¼	Nom.
Portland, Seattle	lb.	.03½	Nom.
San Pedro, S. Francisco	lb.	.03¼	Nom.
f.o.b. N.Y., from dock.	lb.	.02¾	Nom.
from whse.	lb.	.03¼	Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N. Y.	lb.	.04½	—
l.c.l., same basis	lb.	.04¾	—
synth., bbls., c.l., works	lb.	.06½	—
l.c.l., same basis	lb.	.06¾	—
Persian orange (see O).			
Zinc, bbls., same basis, chrome CP, contracts	lb.	.16	- —
open order	lb.	.16	- —
Navy specification (type, contracts	lb.	.16	- —
open order	lb.	.16	- —
Yellow dock root, dom., bis.	lb.	.17	- .18
Yellow root (xanthoriza), bls.	lb.	.11	- .13
Yerba santa leaves, bls.	lb.	.09	-
Yohimbine hydrochloride, vis.	oz.	3.00	- 3.50

Z

Zein, bgs., 1,000 lbs. or more, works	lb.	.20	- —
less than 1,000 lbs., works	lb.	.25	- —
Zinc acetate, tech., bbls., dlvd.,	lb.	.15	- .16
USP, bbls., 250 lbs.	lb.	.27	- —
kgs., 100 lbs.	lb.	.29	- —
Arsenite, bgs., c.l., dealers, E. of Rockies	lb.	.13	- —
l.c.l., bgs.	lb.	.13½	- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 90 lbs. or over.			
Carbonate, tech., bbls.	lb.	.14	- .16
USP, precip., powd., bbls.	lb.	.32½	- —
25 lb. dms.	lb.	.37½	- —
kgs.	lb.	.34½	- —
Chloride, tech., fused, dms., c.l., works..100 lbs.		4.25	- —
l.c.l., works..100 lbs.		4.60	- —
gran., dms., c.l., works, 100 lbs.		5.00	- —
USP, 200-lb. dms.	lb.	.26	- —
25-lb. jars	lb.	.31	- —
solution, 50%, dms., c.l., works	lb.	.0290	- —
l.c.l., works	lb.	.04	- .04½
tanks, works	lb.	.0225	- —
Cyanide, kgs., works	lb.	.35	- —
Dust, bbls., c.l., dlvd.	lb.	.06¼	- —
l.c.l., bbls., dlvd.	lb.	.06¾	- —
Iodide, N. F., bots.	lb.	4.35	- —
jars	lb.	4.20	- —
Fluoride, bbls.	lb.	.20	- .28
Metal (see daily quotations in Market report).			
Oxide, pigment, dom., Amer., process, comL, lead free, bgs., c.l., dlvd.	lb.	.06½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
bbls., c.l., dlvd	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.07	- —
ex whse., Pac. cst.	lb.	.07	- —
leaded, 5%, bgs., dlvd.	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
Zinc, oxide, pigment, dom., Amer. process, leaded, 5%, bbls., l.c.l., dlvd.	lb.	.06¾	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
leaded, 35%, bgs., c.l., dlvd.	lb.	.06	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.06¼	- —
bbls., c.l., dlvd.	lb.	.06¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½	- —
ex whse., Pac. cst.	lb.	.06½	- —
84% ozs. c.l., dlvd., except Pac. cst.	lb.	.06	- —
Pac. cst.	lb.	.0606	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼	- —
ex whse., Pac. cst.	lb.	.06¼	- —
bbls., c.l., dlvd.	lb.	.0643	
bbls., c.l., dlvd.	lb.	.06¼	- —
Pac. cst.	lb.	.06½	- —
ex whse., Pac. cst.	lb.	.06½	- —
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.06½	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
green seal, bgs., c.l., dlvd.	lb.	.06¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½	- —
ex whse., Pac. cst.	lb.	.06½	- —
bbls., c.l., dlvd.	lb.	.06¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾	- —
ex whse., Pac. cst.	lb.	.06¾	- —
red seal, bgs., c.l., dlvd.	lb.	.07¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08	- —
ex whse., Pac. cst.	lb.	.08	- —
bbls., c.l., dlvd.	lb.	.08	- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼	- —
ex whse., Pac. cst.	lb.	.08¼	- —
imported, gold seal, cks., ex whse.	lb.	No prices	
green seal, bbls., ex whse.	lb.	No prices	
white, seal, cks., ex whse.	lb.	No prices	
USP, bbls., c.l.	lb.	.09¾	- —
Palmitate, bbls.	lb.	.24½	- .27½
Resinate, fused, pale, bbls.	lb.	.10	- —
precip., dms., dlvd.	lb.	.15	- —
Zinc, stearate, tech., precip., bbls., ctns., c.l.	lb.	.22	- —
l.c.l., 1 ton	lb.	.23	- —
1,000-2,000 lbs.	lb.	.24	- —
less than 1,000 lbs.	lb.	.26	- —
USP, bbls.	lb.	.25	- .30
Sulphate, cryst., bgs., c.l.	100 lbs.	2.90	- —
l.c.l.	100 lbs.	3.05	- —
bbls., c.l.	100 lbs.	3.05	- —
l.c.l.	100 lbs.	3.20	- —
flake, bgs., c.l.	100 lbs.	3.25	- —
l.c.l.	100 lbs.	4.00	- —
bbls., c.l.	100 lbs.	3.40	- —
l.c.l.	100 lbs.	4.15	- —
powd., bgs., c.l.	100 lbs.	4.55	- —
l.c.l.	100 lbs.	5.30	- —
bbls., c.l.	100 lbs.	4.70	- —
l.c.l.	100 lbs.	5.45	- —
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.07½	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾	- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.07¾	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08	- —
barium, pigment, bgs., c.l., dlvd.	lb.	.05	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼	- —
calcium pigments, bgs., c.l., dlvd.	lb.	.05	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05¼	- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¼	- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.05½	- —
Sulphocarbolate, NF., bbls., dms.	lb.	.24	- .28
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15	- —
l.c.l., works	100 lbs.	5.50	- —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05¼	- —
l.c.l., dlvd., except Pac. cst.	lb.	.05¾	- —
ex whse., Pac. cst.	lb.	.05¾	- —
Zirconium nitrate, kgs., works	lb.	3.00	- 4.00
Oxide, crude, 70-75%, grd., bbls., works	ton	75.00	-100.00
white, 98%, grd., kgs., works,	lb.	1.80	- 2.00

Xylol—Zirconium

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Dec. 2 issue; the next printing will be in the Jan. 6 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 39.

Alcohol Production Reported for 1939-40

—Continued from page 4

Materials Used

	1939-40.	1938-39.
Molasses, gals.	194,601,378	158,908,347
Grain:—Corn, lbs.	136,815,670	156,650,225
Malt, lbs.	16,851,377	21,131,972
Rye, lbs.	4,460,927	2,398,507
Other, lbs.	¶63,652	157,836
Ethyl sulphate, gals.	45,785,850	35,388,995
Sulphite liquor, gals.	10,379,740	24,949,950
Pineapple juice, gals.	3,255,920	1,593,687
Crude alcohols mixture, gals.	3,419,737	1,227,112
Potatoes, lbs.	703,010	743,411
Cellulose pulp and chemical mixtures, lbs.	10,124,665	149,024
Corn sugar by-product, lbs.	1,205,271	130,605
Potato residue, lbs.	371,823	.....

* Includes one experimental plant in 1939 and two in 1940.

† For a definition of a proof gallon, see footnote *, page 1.

‡ Includes 806,927 proof gallons in 1939 and 728,923 proof gallons in 1940 transferred to denaturing plants by alcohol plants not having bonded warehouses.

§ Stocks in transit between bonded warehouses and quantities in receiving tanks of alcohol plants awaiting transfer to bonded warehouses not computed.

¶ Includes 21,759 pounds of diamalt.

Denatured Alcohol

(Including denatured rum)

Denaturing Plant Operations

(Plants operating numbered *40 in 1939-40; 38 in 1938-39.)

	†Wine gallons 1939-40.	1938-39.
Production, total	126,761,830	100,740,510
Completely denatured	15,352,033	17,179,433
Specially denatured	111,409,797	83,561,077
Withdrawals, total	127,004,722	99,872,629
Completely denatured	15,495,290	17,204,615
Specially denatured	111,509,432	82,668,014
Losses, total	91,695	100,071
Stocks, June 30, total.	1,662,472	1,981,559
Completely denatured	498,982	655,996
Specially denatured	1,163,490	1,325,563

Bonded Dealers' Operations

Number operating	52	55
Received‡	3,441,108	3,243,249
Removed‡	3,434,797	3,143,007
Losses in storeroom	2,756	1,937
Stocks June 30	381,655	378,009

Bonded Manufacturers' Operations

Number operating	4,283	4,405
Received	111,342,945	82,417,391
Recovered after use	69,046,201	61,248,937
Total used§	177,333,764	142,969,775
Losses	104,043	62,761
Stocks June 30	5,974,138	3,162,641

* Includes one denaturing plant operated in conjunction with experimental alcohol plant in 1939.

† In wine gallons of approximately 180 proof. A wine gallon is a standard U. S. gallon of 231 cubic inches.

‡ Excluding inter-dealer shipments.

§ Including amount recovered and reused.

Withdrawals by Formulas

	Wine gallons 1939-40.	1938-39.
1	31,615,334	22,891,605
2-A	972	707
2-B	25,415,813	17,943,677
3-A	1,239,333	976,801
3-B	3,152	3,827
4	1,789,079	1,703,355
6-A	55,485	27,742
6-B	78,981	50,734
12-A	400,125	255,707
13-A	703,627	608,155
17	2,139,947	1,054,947
18	5,964,592	6,725,404
19	62,324	62,269
20	1,854	1,050
22	255	456
23-A	1,289,253	1,518,102
23-E	46	.....
23-F	3,682	.....
23-G	465,397	.....
23-H	2,576,995	.....
24	771	.....
25	18,879	.....
25-A	66,684	.....
27	38,274	.....
27-A	5,421	.....
27-B	59,975	.....
28	373,874	.....
28-A	10,943	.....
29	27,418,710	15,987,437
30	209,019	234,387
31-A	4,531	5,583
32	1,026,642	268,241
33	4,484	3,496
35	8,902	10,031
35-A	4,177,429	3,861,047
36	7,508	5,351
37	638,312	582,181
37-A	1,856	1,926
38	33,211	.....
38-A	250	150
38-B	565,715	428,420
38-C	15,029	13,947
38-D	26,252	13,475
38-E	344	182
39	7,139	7,602
39-A	17,251	20,273
39-B	194,982	196,243
39-C	715,929	556,671
39-D	4,666	10,049
40	2,613,965	2,496,767
42	18,212	16,221
44	109	5,105
45	5,898	7,474
46	1,160	1,560
47	6,152	5,283

Production of denatured alcohol amounted to 126,761,830 wine gallons in the fiscal year 1940, compared with 100,740,510 wine gallons in 1939 and 94,607,741 wine gallons in 1938. Withdrawals in 1940 amounted to 127,004,722 wine gallons, compared with 99,872,629 wine gallons in 1939 and 94,981,204 wine gallons in 1938. Withdrawals in 1940 consisted of 111,509,432 wine gallons of specially denatured alcohol and 15,495,290 wine gallons of completely denatured alcohol, the former representing an increase of 28,841,418 gallons and the latter a decrease of 1,709,325 wine gallons, compared with 1939.

Withdrawals of completely denatured alcohol were the smallest since 1921, the use of this kind of alcohol having declined each year since 1935, when 38,050,525 wine gallons were withdrawn. Withdrawals of specially denatured alcohol were the greatest of any year of record and constituted 87.8 percent of the total withdrawals of denatured alcohol in 1940, compared with 82.8 percent in 1939 and 72.9 percent in 1938.

Margarin Production Increased in October

Production of margarin in October totalled 30,160,073 pounds. This compared with 26,541,680 pounds in September and 23,784,815 pounds in October last year, according to statistics compiled by the Bureau of Internal Revenue, Washington. A comparison of October production with that of last years follows:—

	Pounds Oct., 1940.	Oct., 1939.
Production of uncolored oleomargarin	*29,944,880	†23,634,661
Withdrawn tax-paid	29,459,381	23,650,040

Ingredients used in the production of colored and uncolored margarin in October, 1940, compared with October, 1939, as follows:—

In Uncolored Margarin

	Pounds* October, 1940.	October, 1939.
Babassu oil	137,948	988,136
Coconut oil	1,381,626	2,122,001
Corn oil	19,145	21,711
Cottonseed oil	11,806,267	8,674,982
Derivative of glycerin	69,477	57,120
Lecithin	9,974	6,870
Milk	5,565,555	4,502,862
Monostearin	19,277	.....
Neutral lard	422,880	84,348
Oleo oil	1,139,195	602,937
Oleo stearin	346,947	236,212
Oleo stock	103,390	69,517
Peanut oil	184,481	197,034
Salt	1,122,000	1,031,280
Soda benzoate	11,225	9,935
Soybean oil	8,621,968	5,940,916
Vitamin concentrate	1,353	1,421
Total	30,902,708	24,547,282
Production of colored oleomargarin	‡215,193	¶150,154
Withdrawn tax-paid	30,102	26,041

In Colored Margarin

	Pounds October, 1940.	October, 1939.
Babassu oil	50	.....
Butter flavor	2	.....
Coconut oil	82,771	44,926
Color	201	158
Corn oil	17	15
Cottonseed oil	21,029	13,523
Cottonseed stearin	480	.....
Derivative of glycerin	323	395
Lecithin	36	60
Milk	39,679	34,843
Monostearin	454	.....
Neutral lard	3,968	3,400
Oleo oil	20,087	17,161
Oleo stearin	250	.....
Oleo stock	3,500	1,719
Peanut oil	44	77
Salt	7,635	8,729
Soda benzoate	133	55
Soybean oil	42,037	41,205
Soybean stearin	60	.....
Vitamin concentrate	2	2
Total	222,758	166,268

* Of the amount produced, 36,452 pounds were reworked.

† Of the amount produced, 14,379 pounds were reworked.

‡ Of the amount produced, 1,664 pounds were reworked.

¶ Of the amount produced, 5,022 pounds were reworked.

Oil Firms Ask Dismissal Of $112,500,000 Suit

Chicago, Dec. 10, 1940

Counsel for sixteen major oil companies today asked dismissal of a federal court suit for $112,500,000 filed by a representative of two Illinois oil jobbers, in behalf of 900 jobbers allegedly defrauded by monopolistic practices. The suit charged the companies with price-pegging and control of gasoline jobbing from 1931 to 1937 through an "illegal combination."

Oil, Paint & Drug Reporter

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Government with Business

The Temporary National Economy Committee has come out with a proposal of a Federal industrial court to handle litigation under the antitrust laws. This paper has been advocating for several years and especially in recent months the establishment of Federal courts specially designed and authorized to handle all types of litigation which has to do with the relations of government and business. In its proposal the committee on economy declares that the members of the industrial court should be "as competent in the usages of business as they are learned in the law." Those words set up what should be the criterion also for membership in every governmental agency which has to do with the relations of government and business.

A single Federal industrial court or a series of courts for industrial and commercial litigation in which the government is a party would be but a part of a most necessary schematic arrangement whereby government will have adequate competency in the usages of business and business will be properly learned in the law. Expert counsel and advice are needed by both sides with respect to the other, in order that there may be developed, maintained, and utilized that mutual understanding which is so essential to satisfactory relationships.

In its larger and more important part the scheme of developing better conditions in the relations of government and business must be an agency of reciprocal education by means of which businessmen and governmental administrators of business laws and regulations could become informed in legal duties and practicable mediation. A liaison agency is necessary, composed of governmental officials who must deal with business problems and business leaders chosen more for their general intelligence than for intense devotion to selfish interests right or wrong.

Government officials visit business meetings. Businessmen call at government bureaus. The attending conditions are seldom conducive to understanding or a desire therefor. A joint meeting in a mutual symposium would help.

The Norm Changes

The pledge of defense cooperation by the Congress of American Industry contains the condition that production be maintained also as far as possible to meet normal needs. It must be recognized that what was normal yesterday may not be normal today. Defense production must be adequately maintained by industry—or it will be by government.

—O-P-D—

U.S.P.-N.F. Impact in Scope

It is always difficult, sometimes impossible to disassociate even from scientific considerations the not uncommon human tendency to look upon all change as progress, to advocate continuous change for that reason, and to regard everything that is not changed at some interval or another as obsolete and even useless. This trait has costly consequences in all walks in life. It leads in some circles to peculiar situations, usually presenting evidence of "poetic justice," sometimes fraught with hazards.

The controversy of "progressive" science (?) and reluctance to discard that which is useful has long characterized revision of the United States Pharmacopeia. The scope of that compendium of pharmacal standards has varied in kind, as well as degree, from decade to decade as the influence of "progressives" on the revision committee has compared with that of "reactionaries." The general or net result has been the advancement of the influence of those who insist that today's achievements wipe out all the contributions of earlier years. Some blame this on the preponderance of "professors" in the revision personnel; some attribute it, with less evidence, to the influence of "commercialized" manufacturing pharmacy.

Because the National Formulary is revised mainly by those of pharmacal training and in but small part is directly influenced by medical thought, many useful and valuable drugs have been preserved for medical service of the public by being caught in the National Formulary when dropped from the United States Pharmacopeia—N. F. revision has not by any means been confined to such catching; it has long been characterized by original and meritorious research.

At the 1940 pharmacopeial convention the presiding officer (a physician, as is customary) spoke quite emphatically of the shortcomings of the pharmacopeia in respect of serviceability to the medical practitioner. He manifested his realistic view of medical practice in his declarations that ultrascientific definitions and tests of medicinal agents were not what the doctor needs in the selecting of those which his patients require. This opinion has since been reflected in a move to transfer from the National Formulary to the United States Pharmacopeia a substantial number of articles, not all of which at some time previously had a U.S.P. berth. The starting of this movement, so it is related, had several purposes, and in eager pursuit of some of these the advocates of the transfer apparently lost sight of the effect it would have on the National Formulary. The movement grew, and now there is a goodly sized squabble in progress between the two corps of revisers—and appropriate interest of ownership on both sides.

There has always been a trace, at least, of peculiarity, or inefficiency, or something in the existence of two collaterally official compendiums of drug standards. It has long seemed that arrangements, financial, and functional, were desirable in the direction of the consolidation of the two compendiums, not necessarily in one volume, but with the purpose of simplification.

There can be no logical justification of the raiding of either of the compendiums of drug standards by the other. Copyright laws permit such raiding. Common sense clearly indicates its folly, as well as its bad faith. But, the trends of medical opinion point the desirability of a more useful pharmacopeia. This lies in the direction of U.S.P.-N.F. cooperation. And the biggest necessity in the whole matter is that of avoiding government intervention. The drug industry and the profession of pharmacy have a privilege, vigilantly to be guarded, as authors of the official drug standards.

—O-P-D—

Too Much Warning

There is food for much thought on the part of the drug industry in the connotations of the resolution adopted by the National Drug Trade Conference at its meeting last week with respect to the use and misuse and abuse of the requirement that drugs considered more or less dangerous under certain conditions be labeled with emphatic warnings against their being taken. In many of these instances the existence of potential danger is largely, if not wholly, a matter of medical opinion and is seldom if ever substantiated in practical experience. It might be said to follow that a drug warningly labeled in such circumstances is not properly labeled unless it bears also a statement that a difference of "expert" opinion exists with respect to its untoward physiological or therapeutic effects.

The major aspect of indiscriminately applied and thoughtlessly worded warning statements is, as the resolution indicates, the psychological possibility that the prevalence of warnings will diminish their impression on the public. Familiarity begets carelessness. Unnecessary crying of "Wolf!" has long been recognized as a practice eventually disastrous.

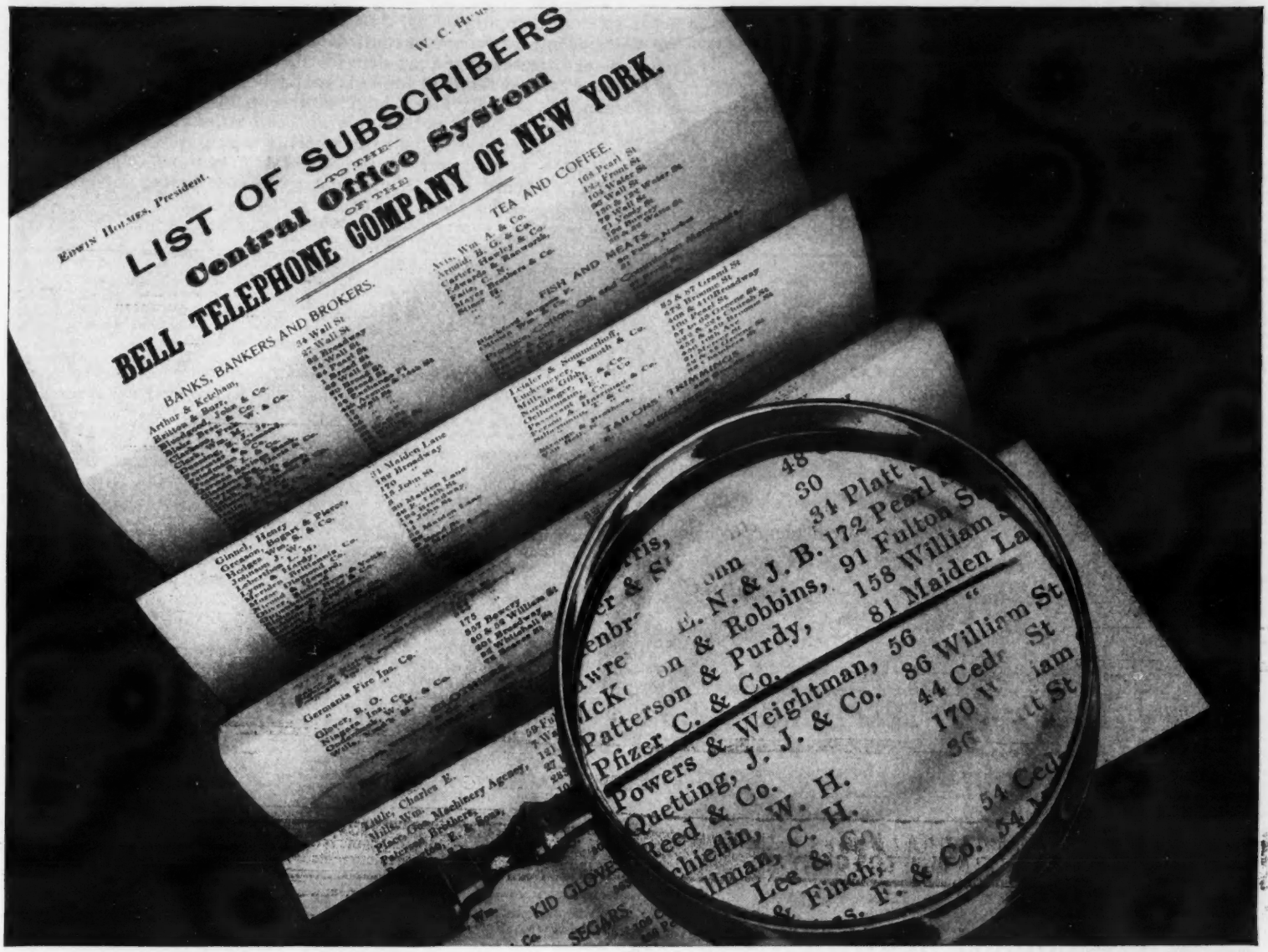
Much that is attempted in the steadily tightening official ideas of adequately warning labels could be accomplished as effectively and with much less possibility of creating doubt and distrust by proper labeling in respect of directions for use. Such directions are required by the law. Their adequacy depends somewhat on their negative instructions, as well as on those which are affirmatively informative. Study and conference in that direction seem to be wisely indicated; for even the more progressive official ideas on proper labeling carry some threat to the lay readers' peace of mind.

The warning labels, together with the cautionary designating of drugs as unfit for use except in the hands of a physician —a policy which has been substantially supported by the mistaken short-cutting by manufacturers to avoid direction labeling by means of the "Rx legend"— are forces which promote the trend to confine medication to the functioning and the opinion of the medical profession. The medical profession being what it is, qualitatively, as well as quantitatively, this trend is not wholly in the public interest, and the pharmacal detail man is not influence enough to change it. A more common-sense attitude toward the matter is much to be desired.

1878

NEW YORK'S FIRST TELEPHONE DIRECTORY

GOES INTO SERVICE



1878 *Chas. Pfizer & Co., then twenty-nine years old, proved its progressive spirit by being one of the 241 subscribers listed in New York's one-page, earliest telephone directory.*

¶ Chas. Pfizer & Co., founded in 1849, engaged first in the refining of santonine. By 1878, the Pfizer line included the leading iodine, mercury and bismuth preparations, boric acid and borax, tartar products and other chemicals, also the refining of camphor. The firm had already established a reputation for quality products, manufactured according to their high standards of purity and uniformity. ¶ Pfizer products have multiplied both in number and volume since 1878. Today they serve a vastly greater market. But Chas. Pfizer & Co. has not changed in its rigid adherence to highest standards of quality. And Pfizer's progressive spirit is more in evidence today than ever, as the Pfizer laboratories constantly evolve new ways to meet the growing needs of modern industry.

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Heavy Chemicals

Buying Trend Continues Steady — Barium Fluoride Firmer —Soda Meta, Ortho and Sesquisilicate Prices Extended —Some Action May Be Taken in Setting Up Priorities

The general buying trend continued steady in the market for heavy chemicals last week. There was no noticeable leveling off from major consumers, although a little softening here and there was to be expected as the result of normal holiday and inventory developments at this time. The position or many items was firm,and it was not unusual to hear of sellers behind in shipments. This was particularly true of chemicals entering the metallurgical and plating trades. Market received a fair share of export inquiries, and shipments were good despite the restricted shipping areas, credit and license complications.

Contract renewals continued to appear for next year. Saltpeter prices will remain firm for the first quarter of 1941. Prices were carried forward for soda metasilicate, orthosilicate and sesquisilicate. Only a few important announcements were awaited, and they included potash chlorate, zinc sulphate and nickel salts

The chemical industry has been working in close cooperation with the government in the interest of national defense. The advisory board set up some time ago is functioning smoothly and holding regular meetings to work out various problems. While the priorities system has not been placed in effect by the government, it is likely that some action will be taken in the near future. However, in the case of basic chemicals no immediate shortage was looked for. The principal bottleneck is likely to appear in the equipment field.

Price Changes

Advanced

Barium fluoride, 3c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
157.4	157.4	156.8	149.6

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	99.0

Market news that may have developed after this report was sent to press will be found on page 4.

Alums. — Firmness characterized trading, while demand was steady.

Alumina Hydrate.—Routine interest, with tone of market firm.

Alumina Sulphate. — Domestic and export business steady. Prices unchanged and firm.

Ammona, Anhydrous. — Contract writing well underway for next year. Market position firm.

Ammonia, Aqua. — Buying steady, and tone firm.

Ammonia, Bicarbonate. — Routine trading. Prices remain the same.

Ammonia Bifluoride. — Steady to firm price tone. Fair interest.

Ammonia Nitrate.—Shipments well sustained, and market firm.

Ammonia Persulphate.—Small quantities made up the call. No change in the prices.

Ammonia Silicofluoride. — Supplies limited, with prices ranging from 11½c. to 15c. per pound.

Ammonia Sulphocyanide.—Limited demand, while quotations held firm.

Ammoniac, Sal.—Shipments moved steadily. No new price developments occurred and tone was firm.

Antimony.—The call was spotty, and domestic spot price unchanged.

Antimony Needle.—Small stocks of Chinese, with prices nominal. South American material offered. Inquiries only fair.

Antimony Oxide.—Prices remain the same, with some factors adhering to previous levels in spite of recent reduction.

Arsenic. — Moderate demand for white; little red material available. Prices firm.

Barium Carbonate.—Prices underwent no alteration. Buying moderately active.

Barium Chlorate.—Stocks small, and offerings restricted. Prices strictly nominal.

Barium Chloride.—Usual consumers made fair size replacements as a rule.

Barium Dioxide. — Routine call. Pricewise a steady to firm tone prevailed.

Barium Fluoride.—Price advanced to 18c. per pound on limited offerings.

Barium Hydrate. — Shipments irregular. Prices well sustained.

Barium Nitrate. — Steady inquiry. Prices held unchanged and firm.

Bleaching Powder. — Market firm. Shipments routine.

Calcium Acetate.—Nothing new occurred in the prices, with moderate interest.

Calcium Carbide. — Buying routine, with satisfactory export inquiry. Prices firm.

Calcium Chloride.—Call for ice control improved, while other demand was good. Prices without change.

Carbon Bisulphide.—Market position firm, and shipments steady.

Carbon Dioxide. — Business moderately active. Prices rule firm.

Carbon Tetrachloride.—Good movement, with position of market firm.

Chlorine.—Shipments moved at a steady pace to various channels. Prices were the same, and tone was firm.

Cobalt Oxide.—Prices firm and unchanged. Selling limited to regular channels. Some reselling passed at prices ranging from $2.50 to $3 per pound.

Copper.—Fair tonnage allocated by producers at 12c. per pound. Outside market 12½c., while export ranged from 10¼c. to 11½c. Stocks of refined copper in the United States declined 6,200 tons in November to 158,418 tons, according to the Copper Institute. Shipments were 102,483 tons, decrease of 1,288 tons from October. November refined output rose to 96,283 tons from 83,706 tons in preceding month.

Copper Salts. — Business moderate and steady. Prices remain firm.

Copper Sulphate. — Market position strong, and prices well sustained. Buying good from domestic and export channels.

Copperas.—Market tight, with crystals in sold up position. Prices unchanged and firm.

Feldspar.—Fair demand. Pricewise no change occurred.

Fluorspar.—Steady to firm price

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Pulp and Paper Ass'n, Feb. 17-21, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

tone prevailed. Buying moderately active.

Glauber's Salt.—Prices firm. Shipments steady against contracts.

Lead Acetate. — Commitments routine. No change in the prices.

Lime.—Prices without change. The call was steady from various consuming channels.

Magnesite.—Inquiries exceed available supplies, and selling restricted to usual channels. Prices firm.

Manganese Salts. — Prices without change, and tone remained firm. Selling usually limited to usual sources.

Molybdenum Metal Powder.—Prices firm. Steady demand.

Nickel Salts.—Some sellers behind in shipments. Prices hold unchanged and firm.

Phosphorus.—Good demand for red in outside market, offerings small and prices range from 75c. to 85c. per pound when available.

Potash Carbonate.—Business moderately active, and market firm.

Potash, Caustic. — Steady demand against contracts. Prices remain unchanged and firm.

Potash Chlorate.—Prices for 1941 contracts not released as yet. Inquiries heavy in outside market with bids running as high as 50c. per pound.

Potash Cyanide. — New domestic sources of supply reduce pressure. Fair inquiry.

Potash Perchlorate.—Call routine from regular consuming channels. No material offered for export. Prices firm.

Potash Permanganate.—Firm price tone prevailed. Shipments moderate and steady.

Salt.—Cold weather stimulated demand for ice control, while other consumers exerted good interest. Prices firm.

Saltcake. — Steady shipments to major consuming channels. Prices nominal.

Saltpeter.—Current prices carried into early part of 1941. Business irregular.

Soda Acetate.—Commitments routine. Prices underwent no alteration.

Soda Ash.—Movement steady to basic consuming industries. Prices remain the same.

Soda Bicarbonate.—Moderate buying. Prices continued firm.

Soda Bisulphite.—Market position firm, and shipments steady.

Soda, Caustic.—Business moderately active. Normal export inquiry. Quotations hold unchanged.

Soda Chlorate.—Business confined to regular channels. Some outside buying at prices well above domestic listing.

Soda Cyanide.—Good demand. Position of market continued firm.

Soda Fluoride.—Fair interest. No change in the prices.

Soda Hydrosulphite. — Steady inquiry. Prices well maintained at levels established preceding period.

Soda Metasilicate.—Prices for various grades carried into early part of 1941 at firm levels. Satisfactory buying.

Soda Nitrite.—Prices remain firm. Business steady.

Soda Orthosilicate.—Quotations extended into first quarter of next year at same levels. Withdrawals moderately active.

Soda Phosphate. — Buying fairly steady against contracts. Prices failed to change.

Soda Sesquisilicate. — Sellers renewed current prices for next year, subject to quarterly revision. Moderate demand.

Soda Silicate.—Buying good from major channels. Pricewise a firm tone prevailed.

Soda Silicofluoride.—Inquiries exceed supplies, and domestic sellers limit shipments to regular customers against contracts.

Soda Stannate.—Prices unchanged, and about steady. Buying steady.

Soda Sulphide. — Steady demand. Prices unchanged and firm.

Sulphur, Refined.—Transactions irregular. Market retained its firmness.

Tetrachlorethylene. — Market firm. Buying moderately active.

Tin Salts.—Prices remained at same levels. Business was spotty. Straits metal was in good demand at 55.05c. per pound.

Zinc Chloride. — Dealings routine against contracts. Prices unchanged and firm.

—Continued on page 32

Monsanto Co. Transfers Renner and Trombley

Frederick C. Renner, assistant manager of the New York branch of Monsanto Chemical Company, has been promoted to the position of assistant manager of sales of the company's or-

F. C. Renner C. F. Trombley

ganic chemicals division, with headquarters in St. Louis, Mo. The appointment, which will take effect about January 1, is occasioned by the leaving of Harvey M. Harker, assistant general manager of sales, to assist in the development of Monsanto interests in Australia.

Clare F. Trombley, in charge of sales of organic chemicals and phosphate division products at the Everett, Mass., office of the Monsanto Chemical Company, is being transferred to New York, where he will be assistant general branch manager of the company's district sales office.

Wood Preserving Co. Votes Liquidation as of Dec. 31

Pittsburgh, Dec. 11, 1940

Stockholders of the Wood Preserving Corporation, a Koppers Company subsidiary, at a special meeting here today voted to liquidate the corporation. Its business will be conducted as an operating and sales division of Koppers Company after December 31, 1940. The action was taken in order to simplify the Koppers corporate structure and to further integrate operating and sales activities with other divisions of Koppers Company.

Thornton Buys Eastern Co.

The F. C. Thornton Company, steel drum and metal specialties manufacturers, Cleveland, Ohio, acquired the outstanding stock of the Eastern Steel Barrel Company, Bound Brook, N. J., and is now the sole owner.

Trade Briefs

Chemical stoneware produced in 1939 was valued at $722,139, against $876,636 in 1937, according to the United States biennial census of manufactures.

Manganese Products Corporation has been chartered under Maryland laws to deal in oil products and other materials, with an authorized capital stock of 50,000 shares of $1 par value.

Naphthaleneacetic acid has been recommended by the Oregon Experiment Station for the preservation of holly during shipment. The station recommends a spray of one part of acid to 10,000 parts water .

Dr. I. O. Schaub, extension director and dean of the School of Agriculture at North Carolina State College, has been awarded the Distinguished Service Ruby of Epsilon Sigma Phi, national honorary extension fraternity.

B. F. Goodrich Company, Akron, Ohio, is marketing a new horticultural spray hose which withstands a maximum working pressure of approximately 1,200 pounds per square inch. The hose is recommended for fruit and forestry spraying and "Hydro-Silica" service in paper mills.

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These few instances indicate the seriousness with which DIAMOND assumes its obligation to deliver Liquid Chlorine in a form most acceptable and usable to you. And, this being the case, you can free your mind completely of Liquid Chlorine worries by specifying DIAMOND!
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NIACET CHEMICALS CORPORATION
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Heavy Chemicals

—*Continued from page* 31

Acids

Shipments continued at a steady pace for mineral acids last week. Commitments against contracts were made in fair size quantities, although consumers were following the usual policy at this time of placing orders closer to production requirements as the year end inventory period approached. Export inquiries were active in acids that were difficult to obtain because of heavy domestic needs, and sellers usually turned down such business. Prices were the same, and general tone was firm.

While government demand for sulphuric acid in the manufacture of munitions for national defense have not been heavy, it was pointed out the large quantities will be needed. It is doubtful whether current production will be adequate to cover all the requirements, and plans underway to enhance supplies by various methods such as recovery of material already used. This will involve some problems, and will be worked out within the next few months.

Acetic. — Shipments moderate, and steady. No change in the prices.

Battery.—Business routine. Prices remain firm.

Chromic. — Steady movement to plating trade. Prices rule firm.

Formic.—Market position firm, and commitments remain steady.

Gallic.—Dealings conservative. Prices without alteration.

Hydrofluoric. — Prices unaltered. Buying moderate.

Lactic.—Business spotty. Quotations remain the same.

Muriatic.—Steady movement. Market position one of firmness.

Naphthenic.—Prices nominal, most material sold ahead on current production.

Nitric.—Market retained its strong position. Shipments steady.

Oxalic.—Selling restricted, with little offered for export. Prices firm and unchanged.

Phosphoric.—Buying routine. Quotations lacked any change.

Sulphuric. — Shipments moved well against contracts, while sellers were engaged in writing business for next year at firm levels. Prices firm.

Baltimore, Dec. 11.—Though the end of the year is now quite near and the placing of orders for sulphuric acid covering the requirements of the next year by large consumers would seem to be in order, producers express disappointment at the results so far realized. Prices range around the nominal figures of $12 per ton for 60 degree and $15 per ton for 66 degree acid. The market on oleum also still holds at the old figure of $17 per ton for 20 percent stocks.

Insecticides

Price movements were lacking in the market for agricultural insecticides and fungicides last week. The advance in lead arsenate the preceding period was now general, and the undertone firm. Other materials displayed a firm tone. Movement of material in this section was negligible. However, reports from other consuming sections in the South were favorable. Export inquiries were about normal.

Calcium Arsenate.—Steady to firm price tone prevailed. Buying light.

Lead Arsenate.—Quotations firm at levels established preceding period. Market followed usual seasonal trend.

Nicotine Sulphate. — Market quiet. Prices displayed no change.

Paradichlorobenzene.—Interest only fair. Prices underwent no change.

Obituaries

Lemuel C. Altemus, president of the Mineral Development Company, Philadelphia, died December 8 at that city. He was seventy-two years of age.

Thomas F. Carty, office manager for American Machine & Metals, Inc., this city, and from 1921 until 1938 office manager and treasurer for Commercial Solvents Company, this city, died of a heart attack December 10 at his office in this city. He was fifty-five years old.

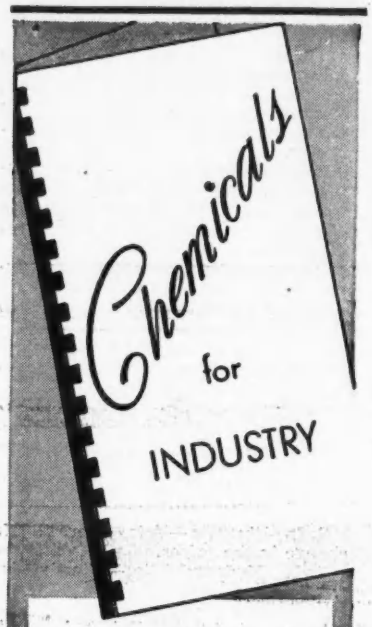
J. Harvey Gedney, formerly with the American Smelting and Refining Company, this city, was found dead of a heart attack December 10 at Cold Spring Harbor, L. I. He was fifty-two years old.

Frederick T. George, general foreman of Standard Brands, Inc., Royal manufacturing plant, Brooklyn, died December 5 at Floral Park, L. I. He was sixty-seven years of age.

William P. Hardenbergh, a member of the board of the New Jersey Zinc Company, this city, since 1898 and vice-president of the firm from 1896 until he retired in 1912, died December 9. He was eighty-four years of age.

Charles Morgan, head of the drug firm of Morgan & Millard, Baltimore, died December 11. He was eighty-three years old.

Mrs. Gertrude E. Nicholson, daughter of the late Carl Pickhardt, who was a leader in the dyestuff industry for more than fifty years, died December 11 at her home in this city. She was fifty-six years of age.



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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Betanaphthylvinyl Ketone

Resins

Starting point (Brit. 484509) in making—
Polymerized products useful as resins

Carbamylmethyl-pyridinium Chloride

Textile

Claimed (Brit. 497485) as—
Textile assistant

Cyanogen Fluoride

Chemical

Reactant in—
Organic syntheses

Military

As a military poison gas (lachrymator)

Dialphanaphthylsulphone

Cellulose Products

Delustring agent (U.S. 2069773 and 2069774) for—
Cuprammonium products
Netrocellulose products
Viscose products

1:2-Dibromobenzene-4-sulphonamide

Dye

Starting point (Brit. 464126, 464673, 476243, and 496663) in making—
Phthalocyanin dyestuffs of bluish to greenish-blue shades by heating with copper salts in the presence of urea, molybdates, vanadates, and phosphates, boric acid, or tertiary amines

Dibromodiethyl Sulphide

(Bromlost)

Chemical

Reactant in—
Organic syntheses

Military

As a military poison gas

Dibutylaminoethyl-cellulose

Adhesives

Starting point (Brit. 489668) in making—
Waterproof adhesives

Bottling

Starting point (Brit. 489668) in making—
Sizes (solutions in acids) for regenerated cellulose used for capping and sealing purposes (said to improve the anchorage thereto of printing inks and lacquers)

Cellulose Products

Starting point (Brit. 489668) in forming—
Filaments
Bristles
Self-supporting films
Films which are clear, tough, and pliable

Chemical

Starting point (Brit. 489668) in making—
Addition salts with acids

Furniture

Starting point (Brit. 489668) in making—
Waterproof adhesives for veneering purposes

Miscellaneous

Ingredient (Brit. 489668) of—
Coating compositions useful for various purposes

Rubber

Starting point (Brit. 489668) in making—
Sizes (solutions in acids) for rayon tire cord (used to improve its adhesion to rubber)

4:6-Dinitro-2:3:5-Trimethyl-tertiary-butylbenzene

Perfume

Claimed (U. S. 2072293) as—
Odorant having musklike odor

3-Ethylrhodanin

Dye

Starting point (Brit. 478945 and 496520) in making—
Photosensitizing dyes with the aid of—
3-Ethylthiol-2:4-benzothiazin ethiodide
3-Ethylthiol-2:4-benzothiazin methiodide
3-Methylthiol-2:4-benzothiazin ethiodide
3-Methylthiol-2:4-benzothiazin methiodide

3-Ethylthiol-2:4-benzothiazin Methiodide

Dye

Starting point (Brit. 478945 and 496520) in making—
Photosensitizing dyes with the aid of—
3-Ethylrhodanin
3-Ethylthiorhodanin
3-Methylrhodanin
3-Methylthiorhodanin

Methyl Acetone

(Continued from December 9 issue)

Paint, Varnish, and Lacquer

Dewaxing agent for—
Natural gums
Ingredient of—
Enamel remover (U.S. 1495547)
Finish removers (U.S. 1140449, 1147851, 1147852, 1160394, 1167462, 1167469, 1167640, 1167641, and 1172773)
Lacquer (U.S. 1437170)
Paint and varnish removers (U.S. 1130499, 1143110, 1143111, 1143878, 1147849, 1189804, 1320080, 1328080, 1495547, and 1499101)
Varnish (U.S. 1437170 and 1482929)
Wood spirit (U.S. 1250282)
Solvent in making—
Paints, varnishes, lacquers, dopes, and enamels containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose

Paper

Suggested as solvent in making—
Coating compositions containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose used in making coated papers and for decorating and protecting articles made of paper or pulp

Perfume

Solvent (U.S. 1497439) in making—
Perfume

Photographic

Solvent in making—
Flexible film (U.S. 1320458)
Photographic film (U.S. 1500366)

Plastics

Process material in making—
Ivory substitute (U.S. 1514509)
Molded products (U.S. 1514509)
Plastic compositions (U.S. 1482929)
Solvent in making—
Compositions containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose
Solvent in working—
Cellulose ester plastics

Rayon

Solvent (U.S. 1441203) in—
Manufacturing process

Resins

Reactant (U.S. 1482929) in making—
Shellac substitute

Rubber

Solvent in—
Latex coagulant
Reclaiming rubber (U.S. 1510706)
Suggested as solvent in—
Coating compositions containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used for decorating and coating rubber goods

Stone

Suggested as solvent in—
Coating compositions containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used for decorating and protecting stone

Textile

Suggested as solvent in—
Coating compositions containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used for protecting and decorating fabrics

Wood

Solvent (U.S. 1147066) in—
Coating compositions for wood
Suggested as solvent in—
Coating compositions containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used for coating and decorating wood
Plastic compositions used for various filling and plugging purposes in treating wood

Parahydroxyphenylcarboxylic Acid Ethylester

Cosmetic

Preservative in—

Astringents	Lipsticks
Creams	Lotions
Deordorant pastes and powders	Ointments Powders
Greasepaints	Toilet waters

Food

Preservative in various products—

Soap

Preservative in—
Shavings creams Soaps

Paratoluene Sulphonylchloride

Chemical

Sulphonating agent in—
Organic syntheses

Sodium-Oleic Acid Methyltauride

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Miscellaneous

Claimed (Brit. 503235) as—
Washing agent stable to hard water
Ingredient (Brit. 503235) of—
Washing preparations for natural or artificial cellulose materials, consisting of water-soluble aluminates and washing agents stable to hard water

Tetraheptylthiuram Monosulphide

Rubber

Accelerator and improver (Brit. 499935) in—
Vulcanizing process (claimed to be without trouble from prevulcanisation)

Titanium Formate

(Ameisensaurestian, Formiate de Titane, Formiate Titanique, Formiato Titanico, Formiato de Titanio, Formiato di Titanio, Formylsaurestitan, Titanformiat)

Electric

Process material (U.S. 1216404) in making—
Self-igniting electric-arc lamp

Textile

Mordant (Germ. 248251) in—
Dyeing processes
Printing processes

Undecenoisobutylamide

Insecticide

Toxic agent (Brit. 503490 and 503507) in—
Insecticidal preparations

Zinc Formate

(Ameisensaurezink, Formiate de Zinc, Formiato de Zinc, Formiato Zincico, Formiato di Zinco, Formylsaurezink, Zinkformiat)

Chemical

Catalyst (U.S. 1466626 and 1466628; French 632259) in making—
Methanol
Ingredient (French 633139) of—
Catalytic mixtures used in making—
Methanol
Starting point (French 631356) in making—
Zinc oxide and hydroxide (used as an accelerator of rubber vulcanization)

Paper

Waterproofing agent for—
Paper fringes, threads, braids, tassels, and the like (applied after preparatory treatment with a soap bath)

Pharmaceutical

In compounding and dispensing practice
Suggested for use as—
Antiseptic Astringent

Textile

Weighting agent (French 666114) for—
Silk (used in conjunction with disodium phosphate)

Wood

Preservative (U.S. 1510358) in—
Treating wood

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Medical Research For Drug Industry

—Continued from page 3

Growing Interest in Research

In addition, one must bear in mind that aside from these grants made to universities that year, the members of the American pharmaceutical industry have been constantly increasing their own research laboratories, because of their desire for more adequate experimental control of new products which are being discovered and elaborated by their chemists and biologists. Hence, I think I am completely right in assuming that during the last ten years the pharmaceutical industry has made great strides in its program for investigation and in its desire to share its investigative projects with medical schools and hospitals.

I said earlier that there has been an increasing amount of cooperation between medical schools and the industry. The path of cooperation has not always been smooth, because there has been a tendency on the part of the medical schools and hospitals to feel that the industry was being granted a privilege in giving money to them and that they would do with it what they very well pleased, while the industrialists, with their desire to have things done quickly, have, on occasion, unfortunately, had a tendency to try to push the medical investigators more than good sense really warranted.

I shall not take up at this point the discussions that have come up in the industry and in the universities in regard to medical patents, because one group has its views on this subject while another group holds an opposite point of view, and I don't at the moment see any possibility of a reconciliation in these points of view nor do I feel that after all, as far as you and I are concerned, these need to disturb us very much. After all is said and done, while I should not patent any discovery I might make, if a product seems to have certain beneficial properties and this product can be protected, I would think that you would be foolish to send it out for any type of outside investigation, unless steps had been taken for its protection. This point of view to me is only one of common sense, and, as far as I have been able to see, especially insofar as chemotherapeutic products are concerned, it has rarely disturbed the minds of those who are going to do the preliminary clinical investigations with the products.

Facilitating Cooperation

Now comes a question: How can this cooperation between the medical schools and industry be facilitated? It seems to be that, in the first place, one should consider the methods by which we arrive at a cooperative plan of work. First let us consider your industry. Let us suppose that company A. L. Z. has devised in its laboratories a product which seems to be of value in the treatment of a given disease. This being a new product, it will have to be approved by the Food and Drug Administration, which means that the data submitted by the manufacturer on this product will have to be adequate in respect to its toxicity and also possibly in respect to its clinical effectiveness.

In the laboratories of company A. L. Z. the compound—and let us consider that it is a chemical—has been repeatedly tested for its purity and constitution so that there is no question as to its chemical identity. Also, certain tests have probably been carried out upon the acute and chronic toxicity and the absorption and excretion of this new product in mice, rabbits, dogs, and monkeys. If facilities are available, possibly its therapeutic value has been tested under experimental conditions.

With this data in mind, the medical director of company A. L. Z. should say to himself, "Who are the experts in the field in which this product is liable to be of value?" This knowledge can only come by having the medical staff of any given organization in frequent attendance at medical meetings. During these meetings they should not spend too much time acting as official receptionists at their companies' displays, but should be in attendance when papers are being read and discussions being held, in order that their background of medical information will be constantly increased and so that they will talk intelligently when called upon to do so. The day when the medical director of a pharmaceutical company was a high-class detail man is beginning to pass, and everything should be done to facilitate this.

When, in the opinion of the medical director and the director of the laboratories of the company, enough reliable preliminary data are available, then this material should be published and at the same time taken to the experts in the field and laid before them. At this point always remember that no reservation should be made in respect to data and that all questions known regarding the new product should be answered. It is this type of frankness that will break the barrier of mutual suspicion that is occasionally encountered in meetings of this type.

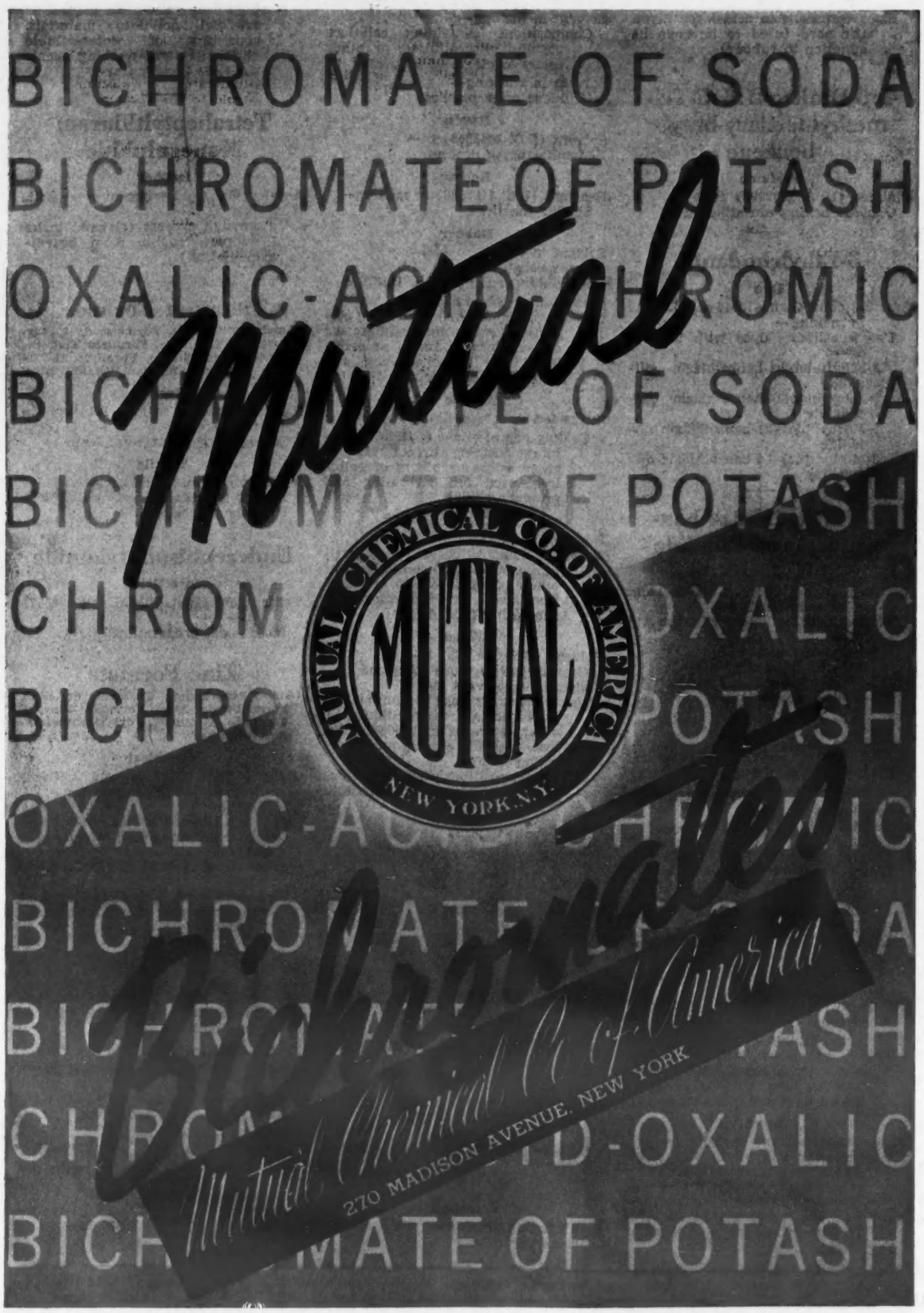
If the product has any true worth as demonstrated by the data presented, further experimental and then clinical trials in medical schools and hospitals will be easily obtained. It is to be remembered that the careful investigator in the medical school will desire to repeat and enlarge upon all of the experimental data that have been presented, and that in the course of his investigation he may not check exactly with the data that have already been presented. If such a difference in opinion arises, remember that it may very well be to your benefit because by varying technics certain issues may be raised in respect to certain products which will convince the university investigator that its clinical application will be not only difficult, but perhaps hazardous.

Confidence Essential

When such reports come in there are two things that can be done. One is to alter the product, if such is possible, so that it will conform to the needs of the investigators, and the other is to abandon it if it cannot be satisfactorily changed. Too often in the past few years I have seen products which after a preliminary survey seemed to be pretty good, develop certain objectionable features when extensive experimental and possibly clinical investigations were carried out. Then, despite the adverse reports from those who were cooperating with the company in these investigations of the products, more time and money was expended upon them, only to have the products fail miserably in the end. Such a procedure is not only costly but also nonsensical. If you have confidence in the group whom you have approached to try out your products, then the wise thing to do is to drop such products if their reports are adverse.

Let us suppose, on the other hand, that the product has stood up quite favorably in the hands of several investigators and that they feel that it is worth while to combat extensive clinical studies. At this point is the time to exercise caution and restraint and not become too eager to get an immediate approval of the compound for general clinical use because, especially with sulphanilamide or its derivatives, one can never tell what queer and disastrous toxic results may make their appearance, and it is bet-

—Continued on page 58



Dyestuffs, Textile and Leather Chemicals

Business Routine—Imported Egg Products Advance—Colombian Divi Divi and Myrobalan Prices Easier—Imports of Raw Tanning Materals Drop Sharply

Buying was of a routine character in the market for dyestuffs, textile and leather chemicals last week. Comsumers made replacements when needs became urgent, preferring to keep inventories at reasonably low levels. In many instances, withdrawals were still being made from stocks accumulated earlier in the year. Price movements were confined to an advance for imported egg products and reductions in a few tanning materials.

Bichromates were taken in satisfactory quantities, although some leveling off from the peak levels was to be expected. Inquiries for export reached the market regularly, and sellers endeavored to take care of most of this business wherever possible. Natural dyestuffs were quiet, and price movements were negligible. Advances for imported egg albumen and egg yolk provided all the price movements in the sizing material division. Columbian divi divi and myrobalans were lower in the raw tanning materials market.

October imports of raw tanning materials totaled 5,623,030 pounds, against 20,764,017 pounds in October, 1939, a decline of 75 percent, according to the Department of Commerce. For the first ten months imports aggregated 92,029,600 pounds, compared with 109,083,016 pounds in the like period a year ago. Arrivals of valonia, sumac and oak galls from the Mediterranean were cut off, while no quebracho was imported. Wattle bark and Chinese sumac galls were small. Imports of tanning extracts showed a substantial decline. Exports were nearly 50 percent below shipments for October a year ago.

Chemicals

Alumina Acetate.—Buying routine. No change in prices.

Alumina Chloride. — Market firm, and shipments fairly steady.

Ammonia Acetate. — New business light. Quotations remain the same.

Ammonia Bichromate.—Small lots continued to make up the call.

Antimony Salts. — Market dull. Prices underwent no change.

Chrome Acetate.—Steady to firm price tone, with business moderate.

Potash Bichromate. — Shipments moderate against contracts. Prices firm.

Potash Prussiate.—Stocks of red negligible, while call for yellow was fair. Prices unchanged.

Soda Bichromate.—Demand moderately active. Moderate export inquiry. Prices without change.

Soda Prussiate.—Transactions routine. No change occurred in the prices.

Sulphonated Oils.—Buying spotty. Pricewise a firm tone remained in evidence.

Zinc Dust.—Market displayed firmness, while shipments held moderate.

Dyestuffs

Annatto.—Purchases light. Prices failed to change.

Cochineal.—Prices rule firm. Buying lacked any broadening.

Fustic. — Fair interest displayed. Nothing new in the prices.

Hypernic.—Market tone steady to firm, with dealings conservative.

Indigo. — Withdrawals narrow. Prices unchanged and firm.

Logwood.—The call was routine. Pricewise a firm tone prevailed. Exports of extracts in October, 71,342 pounds, valued, $10,941.

Madder Dutch.—Market continued dull. No change in the prices.

Turmeric.—Quotations well maintained. Consumers made only necessary purchases.

Sizing Materials

Albumen, Blood. — Market steady and prices without alteration.

Albumen, Egg.—Imported advanced to 69c. per pound. Domestic prices unchanged and firm. Buying fairly steady.

Corn Sugar.—Prices rule firm. Demand moderately active. November corn grind 5,976,016 bushels, against 7,109,685 bushels in previous month, and 6,321,496 bushels in like month a year ago, according to Corn Idustries Research Foundation.

Egg Yolk.—Imported 2c. higher, ranging from 56c. to 59c. per pound. Steady inquiry. Domestic prices unchanged, with firmer tone.

Sago Flour.—Withdrawals moderate to usual channels. Prices displayed no change.

Starch, Corn.—Bookings moderately active. Prices unchanged and firm.

Starch, Potato.—Domestic prices are without change. Buying steady.

Starch, Rice.—Shipments moved in fair size quantities, and prices failed to change.

Starch, Sweetpotato.—Some inquiries, and shipments irregular. Prices lacked any change.

Starch, Wheat. — Consumers made moderate replacements, and prices held the same.

Tapioca.—Buying steady. Prices unchanged and firm.

Tanning Materials

Chestnut Bark.—Business moderate, and prices the same.

Cutch.—Routine interest. Prices continued firm.

Divi Divi.—Columbia $1 lower at $32 per ton; no change in Venezuelan. Business narrow.

Gambier.—Market quiet. Prices rule steady to firm.

Hemlock Bark. — Prices firm, and buying fairly steady against contracts.

Hematine.—Fair demand. No change in the quotations.

Mangrove Bark.—Replacement buying quiet. Prices without change.

Myrobalans. — Prices declined $2, making J1's $35 per ton, and J2's $28 per ton. Inquiries light.

Oakbark. — Moderate withdrawals against contracts. Prices unchanged.

Quebracho.—Prices unchanged and firm. Business irregular.

Quercitron.—Usual consumers made necessary replacements as a rule.

Wattle Bark.—Business quiet. No change disclosed in the quotations.

Price Changes

Advanced

Egg albumen, imported, 4c. per lb.
yolk, imported, 2c. per lb.

Reduced

Divi divi, Colombian, $1 per ton
Myrobalans, J1, $2 per ton
J2, $2 per ton

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.8	153.8	153.7	147.7

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

National Oil to Issue Debentures, Common Stock

The National Oil Products Company, Harrison, N. J., has registered with the Securities Exchange Commission the proposed offering of $1,500,000 in 3¼ percent sinking fund debentures, due 1955, and 35,965 shares of $4 par common stock. The stock would be offered to stockholders of record December 19 on the basis of one additional share for each five shares held. Underwriters will offer publicly the debentures and unsubscribed portion of the common stock.

Standards Ass'n Elects Zimmerman President

R. E. Zimmerman, vice-president of the United States Steel Corporation, was elected president of the American Standards Association at the annual luncheon meeting December 11 at the Hotel Astor, this city. He succeeds Edmund A. Prentis, of Spencer, White & Prentis. R. P. Anderson, of the American Petroleum Institute, was re-elected chairman of the standards council, which is in charge of all technical work.

Mr. Prentis told members that the national defense program, with its needs for coordination of defense-production standards, had seriously affected the work of the association during the past year. He added that one of the biggest problems of the coming year would be to speed up work on undertakings most urgently needed for defense. Mr. Anderson reported that during the year the standards council had approved seventy-three standards.

Morgan Dismissal From TVA Upheld

Cincinatti, Dec. 6, 1940

The dismissal of Arthur E. Morgan as chairman of the Tennessee Valley Authority today was upheld in the Federal Circuit Court of Appeals here today. The court also affirmed a lower court dismissal of Morgan's suit in which he sought recovery of $4,583 alleged due in salary. Mr. Morgan was removed by President Roosevelt on March 3, 1938.

Priorities Discusses Lead Utilization in Chemicals

The importance of lead to chemical industries is the theme of the leading story in the December issue of *Priorities*, house organ of the Prior Chemical Corporation, this city. While some of the well-known applications of the metal are mentioned, the story deals chiefly with uses and functions which are seldom observed. In fact, a case is made out for the assertion that but for lead the enormous development of the chemical industries might well have been delayed for many years.

A. L. Rees, tallow broker, Hanover, Pa., has applied for membership in the New York Produce Exchange.

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Natural BICHROMATES

TEXTILES Dyestuffs... Auxiliaries
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LEATHER Dyestuffs... Finishing Agents
Synthetic Tanning Agents
PLASTICS Dyestuffs...
Organic Pigments
RUBBER Organic Pigments
LAKES Dyestuffs...
Intermediates

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Short boiling ranges of desired temperatures permit quick completion of evaporation or drying processes and reduce loss of solvents in recovery operation. These are advantages which appeal to production engineers and chemists.

Comparative tests of Barrett Light Oil Distillates and other solvents reveal the desirable short boiling ranges, the even evaporation rates and the superior solvent power of these Barrett coal-tar solvents. They include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash Solvent with a wide range of initial and end points.

Write for our convenient specification chart and for complete information on Barrett coal-tar solvents. We will gladly cooperate with you in selecting the most suitable solvent or in developing special solvents for your purpose. Inquiries are invited.

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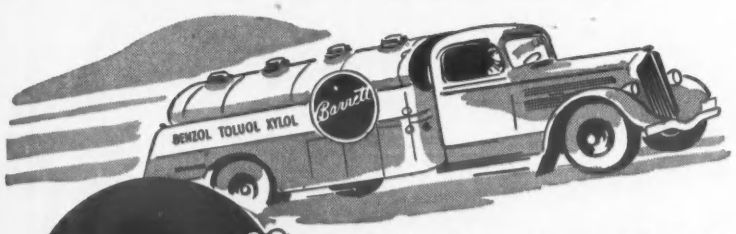

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Within a radius of 50 or 60 miles of 13 important industrial cities, Barrett Benzols, Toluols, Solvent Naphtha and Xylols are delivered direct to customers in express tank trucks. Ask us about this time-saving, money-saving service.

Coaltar Chemicals

Paranitroanilin Reduced — Other Intermediates Remain Firm —United Kingdom and Canada Continue Chief Export Market —Government Requirements of Toluol Expected to Be Large

Shipments moved at a moderate pace in the market for coaltar chemicals last week. Many consumers displayed usual caution in keeping commitments more in line with actual requirements as the year end and inventory period approached. With the exception of a reduction in paranitroanilin, prices for various coaltar intermediates and acids were carried into the early part of 1941 at firm levels.

The United Kingdom and Canada continued to supply the largest export market for coaltar chemicals. Good quantities of basic products, including toluol, phenol, crude and refined coaltar and coaltar pitch were taken. By far the largest amount of coaltar acids, intermediates and colors were shipped to the two countries.

Government requirements of toluol for use in munitions are expected to be much higher than originally anticipated. Plans, however, have been underway to expand output by various means. Surveys made in the natural gas, steel and petroleum industries assure fulfillment of all government needs under the national defense program. Sufficient quantities of toluol are available from normal sources of supply to meet commercial needs. It is not likely that the government will need supplies immediately, but during the next six months demand may be stepped up considerably.

Price Changes

Advanced

None

Reduced

Paranitroanilin, 2c. per lb.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.0

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Demand moderate. Prices unchanged and tone about steady. October exports 40,902 gallons, valued at $5,591.

Carbazole. — Shipments routine. Pricewise a firm tone predominated.

Coaltar.—Crude and refined moved steadily against contracts. Prices rule firm. October exports 536,082 gallons, valued at $27,279.

Creosote Oil.—Usual consumers made necessary replacements as a rule. Prices held steady to firm. October exports 10,580 gallons, valued at $2,149.

Cresols.—Moderate demand. Nothing new occurred in the quotations.

Cresylic Acid.—Business spotty. Prices underwent no alteration. Shipments of imported arriving from England, with new arrivals looked for.

Naphthalene.—Buying routine against contracts. Pricewise a firm tone prevailed.

Oil, Shingle Stain.—Market lacked any new feature. No change in the prices.

Phenol.—Steady to firm price tone. Shipments moved steadily. October exports 268,286 pounds, valued at $31,688.

Pitch, Coaltar.—Fair interest. No change was disclosed in the prices. October exports 498 tons, valued at $9,024.

Pyridin.—Prices well maintained. Demand continued steady from regular channels.

Solvent Naphtha.—Buying moderate. Quotations without change.

Tar Acid Oils.—New business light. Prices lacked any alteration.

Toluol.—Shipments moved to consuming channels steadily against contracts. Prices rule firm. October exports, 4,931,453 pounds, valued at $220,434.

Xylol.—Business irregular. Quotations ruled unchanged. October exports, 7,307 pounds, valued at $519.

Chicago Coaltar Bases

Business continues fairly good in most grades of coaltar products. Buyers seem to be willing to enter into supply arrangements over a period of time, with tone of the market rather firm. Other materials are in relatively good call. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 9c. to 9¼c., nearby refineries; toluol, 27c.; 10-degree xylol, 20c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexanol. — Moderate inquiry. Prices held firm.

Cyclohexanone. — Market firm, and interest routine.

Methylcyclohexane.—Consumers displayed fair demand. Prices unaltered.

Methylcyclohexanol. — The call irregular, and prices without change.

Coaltar Acids

Anthranilic. — Routine demand. Prices unchanged.

Benzoic.—Steady to firm price tone. Prices failed to change.

Broenner's.—Consumers made necessary replacements. Prices unaltered.

Cleve's.—Usual consumers supplied a steady interest.

Fumaric.—Shipments moderately active. Prices without alteration.

Gamma.—Moderate inquiry. Pricewise a firm tone prevailed.

H.—Market continued a routine affair, and prices were the same.

Laurent's.—Steady call from regular consuming channels.

Maleic. — Witdhrawals moderately active. Pricewise a firm tone prevailed.

Malic. — Business irregular, while prices were well sustained.

Picramic.—Demand steady. Prices failed to change.

Picric.—Market position firm, and business steady.

Salicylic.—Fair size orders reached the market, and the tone was firm.

Succinic. — Dealings moderate. No change was disclosed in the prices.

Sulphanilic.—Demand steady. Prices without change.

Tobias.—Steady to firm price tone, with transactions fairly steady.

Other Intermediates

Alphanaphthol.—Business steady. Prices rule firm.

Alphanaphthylamine.—Consumers made steady replacements. Prices unchanged.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Wood Preservers Ass'n, Feb. 4-6, Louisville, Ky.

Anilin.—Shipments moderate and steady. Prices well maintained.

Anthraquinone.—Dealings were satfactory and tone of market firm.

Benzaldehyde.—Fair size lots made up the call to keep market firm.

Benzidin Base.—Routine demand. Pricewise a firm tone prevailed.

Betanaphthol.—Market firm, and commitments were moderate.

Betanaphthylamine.—Usual consumers supplied a satisfactory interest.

Dimethylanilin.—Business moderately active and prices firm.

Dinitrobenzene.—Prices unchanged and firm. Business steady.

Dinitrochlorobenzene.—Purchases moderate from regular channels.

Dinitronaphthalene.—Demand spotty. No change occurred in the prices.

Dinitrophenol.—New business only fair. Prices without change.

Dinitrotoluene.—Trading steady from regular channels. Prices unaltered.

Diphenyl.—Business lacked broadening, but prices were well sustained.

G. Salt.—Purchases routine and tone of market firm.

Metanitroparatoluidin.—Business conservative and prices the same.

Nitrobenzene.—Shipments steady. Prices unchanged and firm.

Orthoanisidin.—Buying moderate. No change in the quotations.

Orthochloroanilin.—The call was steady from usual channels.

Orthochlorophenol.—Dealings routine. Prices failed to change.

Orthocresol.—Steady to firm price tone, with business steady.

Orthodichlorobenzene.—Commitments moderately active. Prices firm.

Orthonitroanilin.—Transactions irregular, while tone was one of firmness.

Orthonitrotoluene.—Market position firm. Business fairly steady.

Orthotoluidin.—Shipments steady. Prices continued firm.

Parachlorophenol.—Fair demand. Nothing new occurred in the prices.

Paranisidin.—Buying spotty. Pricewise a firm tone prevailed.

Paranitroanilin.—Prices 2c. lower,

—Continued on page 38

S.O.C.M.A. Meeting Hears Defense Status Described

—Continued from page 5

ever. To enumerate these problems and the answers to them would entail entirely too much detail here.

Patent Service Mentioned

As to the patent service of the association, several of our member companies avail themselves regularly of this service and we trust it is useful as well to those firms with patent departments of their own. During 1940 approximately 1,500 patents will have been granted in the fields in which our interests lie. Patents were granted to 238 firms. The DuPont, General Aniline, and Dow Companies led in the order given, accounting for about 450 of the 1,500 patents.

With reference to the import situation, a recent release of the United States Tariff Commission reports that from September, 1939, through August, 1940, imports increased approximately $400,000,000 over corresponding periods of 1938 and 1939, but this increase was in rubber, silk and tin and other raw materials.

Finished goods of all sorts in bonded warehouses are being rapidly depleted. For example, for the period January through October, 1940, reports show that imports under paragraphs 27 and 28, of the 1930 tariff act, combined were only a little over 500,000 pounds for direct consumption, while over 1,800,000 pounds were withdrawn from warehouse, making a total of 2,300,000 pounds for the ten months. This compares with over 8,500,000 pounds for the whole year 1939.

The Swiss representatives here have been moderately successful in keeping up replacements via Lisbon but the closing of Genoa has shut off Germany.

Tariff Developments Told

Regarding tariff, the latest and a most interesting development on this subject is Monograph No. 10 entitled "Industrial Concentration and Tariffs," written for the Temporary National Economic Committee by Clifford L. James, associate professor of economics at Ohio State University, assisted by Edward C. Welsh, instructor in economics at Ohio State University, and Gordon Areneson, junior economist of the TNEC. The sole responsibility for all the statements contained therein rests upon the authors, according to Senator Joseph C. O'Mahoney, chairman of the Temporary National Economic Committee.

The conclusions are in the main beautiful examples of the speculations in which all the theorists have to indulge when they attempt to generalize. Many duties they state are not highly restrictive, factors other than tariff accounted for high concentrations in some industries and in some cases the international monopolistic character of the industry made the tariff ineffective.

They state, however, that a substantial reduction of duties on 35 percent of dutiable products would probably increase imports and have at least a partial effect on domestic prices. In their studies of about 1,800 items we find constantly repeated this concluding sentence which amounts to a formulae:—"A substantial reduction of the duty would increase imports and lower prices." Of course reductions were sought and so were found. As a scientific tariff study it attempts to cover too small a part of the whole subject to be of any value.

Plant Alertness Urged

National Defense and Preparedness—The publicity given the recent explosions and fires in plants working on defense orders may be a good thing. Although no sabotage has been established as yet, it may appear anywhere at anytime and it is well to be on guard. It is worth while to remember that the Federal bureau of investigation stands ready to give advice and make inspections and needs only to be called upon.

In conclusion, a word as to membership. There was no decided change in the association's membership during 1940. However, certain developments which have received some additional impetus through defense problems may offer another field for membership. These are being followed.

Officers Re-Elected

Satisfaction was expressed as to the accomplishments of the official family of the association during the past year. The satisfaction was emphasized by the re-election of the entire family for another year. Those re-elected were:—

President, August Merz, of the Calco chemical division of the American Cyanamid Company.

First vice-president, Dr. E. H. Killheffer, of E. I. duPont de Nemours & Co.

Second vice-president, Dr. F. G. Zinsser, of Zinsser & Co.

Treasurer, Ralph E. Dorland, of the Dow Chemical Company.

Secretary, C. A. Mace, 260 West Broadway, New York.

Hazardous Articles Hauling Rules Revised

OPD Washington Bureau
December 12, 1940

Revised reguations for the transportation of explosives and other dangerous articles by all means of transportation in interstate commerce were issued today by the Interstate Commerce Commission, effective January 7, 1941 (Docket 3666).

This is the first complete revision since October 1, 1930, and it replaces those regulations and all supplemental orders. Work on this revision was started more than two years ago and four tentative proofs were issued, final hearings having been held on August 8, 1940. A 220-page book containing the regulations may be purchased from the Government Printing Office for 40 cents, and they are being printed in sections in the *Federal Register* starting with the December 12 issue.

The regulations contain a list of all dangerous articles to which they apply, shipping instructions, methods of marking and labeling, specifications for containers and tankcars, and special regulations applying to various types of carriers. They apply to transportation by land and water in rail freight, express, and baggage services, and by highway motor vehicles and by water. The sections on water transportation will remain in effect only until April 8, 1941, on which date the Bureau of Marine Inspection and Navigation will make effective its own regulations on this subject under authority of recent legislation.

Caton-Hendler Paint Company, Inc., Buffalo, has increased its capital from $25,000 to $50,000.

TAR ACIDS
Phenol • Cresol
Cresylic Acid

TAR ACID OILS

KOPPERS CHEMICALS AND SOLVENTS
Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

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Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

PHENOL—All Standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Mesta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

CRESYLIC ACID—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content appropriate for low to high coefficiencies with tar acid contents as required.

KOPPERS COMPANY • PITTSBURGH, PA.

SYNTHETIC RESINS
ANTISEPTICS
DRUGS
DISINFECTANTS
PLASTICIZERS
DYES
SOLVENTS
EXPLOSIVES
PERFUMES
PHOTOGRAPHIC DEVELOPERS
SOAP
RUBBER RECLAIMING AGENTS
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OIL PURIFICATION
ANIMAL DIPS
INEXPENSIVE DISINFECTANTS
FLOTATION PROCESSES
INSECTICIDES

KOPPERS

Coaltar Chemicals

Other Intermediates

—*Continued from page* 37

ranging from 43c. for car lots to 45c. in less car lots. Demand moderate.

Phthalic Anhydride.—The call was steady, and market retained its firmness.

Thiocarbanilide.—Demand moderate. Prices ruled firm.

Toluidin.—Steady to firm price tone, while trading was steady.

Xylidin.—Purchases moderate and steady. Prices continued the same.

Coaltar Colors

Shipments moved moderately in the market for various coaltar colors last week. Consumers entered market for necessary requirements, and the general disposition was to limit commitments in view of the near approach of the year-end and inventory period. Export inquiries reached the market in satisfactory volume. Prices rule firm, and contracts were being written at the same levels in force previously.

October exports of coaltar colors, dyes and stains amounted to 1,709,257 pounds, valued at $1,407,396. Of the total, 535,414 pounds went to Canada; 313,339 pounds to the United Kingdom; 124,330 pounds to Mexico; 314,857 pounds to British India and 114,623 pounds to Netherland Indies.

Manufacturers Ask Unity For National Defense

—*Continued from page* 3

that the people must look if the nation's defenses are to be provided in a manner which will preserve, and not destroy, the way of life they are designed to defend.

The task before us in America is twofold: First, to safeguard our freedom by providing our military defenses, by strengthening our economic defenses, by fortifying our moral and spiritual defenses; and, second, to prepare for the future in both its immediate and long-range aspects.

We Americans intend to remain a free nation of free men and women. We have faith in constitutional representative democracy, in private enterprise and in civil and religious liberty as the inseparable fundamentals of our freedom.

Freedom, as we Americans know it, means that we may attend any church we prefer; elect our government representatives in free elections; say and write, hear and read what we please; live and work where we will; invest our savings in a home, in a neighborhood shop, in a corporate enterprise or however else we choose. Such liberties as these are the most precious heritage of every American.

To safeguard our independence as a nation we must build our military, economic and spiritual defenses on a foundation of strong and united purpose; but in building these defenses we must hold fast to the liberties that are the very foundation of the American way of life.

Production for Defense

The strength to defend America is the first concern of this nation. Three major problems are involved:—

1. To determine the vital interests to be defended, and how far beyond our continental borders these interests extend. This is the responsibility of government.
2. To determine the nature and size of the military establishment and the equipment and supplies required. This also is the responsibility of government.
3. To produce the required equipment and supplies. This is the task of industry—of America at work.

Production of the equipment and supplies required for defense has been entrusted to the individual industrial enterprises of America, whose productive ability is demonstrated by the fact that this is the greatest of industrial nations.

The manufacture of planes, warships, guns and many other kinds of munitions and equipment has created a demand for new machinery, new tools and new skills, to which the individual industrial enterprises of America are applying their full initiative and resourcefulness.

American industry is undertaking its task.

Ample Natural Resources

Our economic machine must be geared to the production of both the equipment needed for national defense and the goods needed for everyday living.

For several years prior to the outbreak of war in Europe the totalitarian countries had been using a large part of their resources for armament purposes. Confronted with the necessity of increasing even further their production of war materials, they were forced to restrict still more drastically the production of goods entering into their standards of living.

In this country, in contrast, we start our armament production for national defense with ample natural resources, with unemployed but employable men, with an expansible plant capacity and with idle capital, all of which can be put to use not only to make the nation secure against external dangers but also to work at the task of producing the goods and services needed for normal living conditions.

National defense is national insurance. The American people can secure this necessary insurance without experiencing a reduction in their standard of living to the extent suffered abroad. But the effort to maintain the American living standard at its present level can hold hope of success only if labor, capital and management work together with a united purpose for production, more production and still more production.

Labor and Management

Among the fundamental conditions necessary to this end are the following:—

1. An equitable relationship between the prices of agricultural products and the prices of other commodities;
2. Opportunity for industrial management and labor to operate efficiently and effectively in the processes of production and distribution;
3. Taxation carefully and intelligently adjusted to meet at least non-defense expenditures and designed to facilitate the flow of private capital and remove uneconomic barriers to the production and distribution of needed goods and services;
4. Avoidance of production by government of goods which private enterprise can furnish;
5. Recognition of the value of the profit motive as a powerful incentive to productive effort, and of the economic need for profits in industry sufficient to maintain and expand productive enterprise;
6. Maintenance of such equitable wage rates and conditions of employment as will promote increased production and employment and a higher actual income to workers;
7. Encouragement of the investment of private capital in production, research and continued economic venture;
8. Preservation of competition as the best assurance to the consumer of reasonable prices and high and improving quality of product; and
9. Maintenance of the buying power of consumers by all possible improvements and economies which will reduce costs of production and distribution.

Healthy industry is as essential to the production of adequate military equipment and to the maintenance of the American standard of living as are healthy men to an efficient army and navy.

Moral and Spiritual Defense

Essential to America's defense effort is the moral and spiritual strength of the people. There must be a resurgence of faith in God and country, of confidence in each other and in ourselves. There must be self-reliance and a willingness to sacrifice immediate self-interest for the common welfare. These have been outstanding American qualities in all our history.

Where dictators rule they have tried to create national pride and zeal and to induce united action in their peoples by absolute control of sources of information, prevention of free discussion and suppression of civil liberties. These are means that would never be tolerated in the United States.

In the free society which this nation is arming to defend we can in our American way strengthen the moral and spiritual vigor, the purposeful unity, that have carried us through other crises and are needed now more than ever.

The American people are awakening to a common appreciation of what they have to defend, stirred to a common zeal for defending it, inspired with a common patriotic devotion. We are all ready to travel the hard road, if need be, to assure the continuance of the American way of life.

Employment and Peace

In preparing for national defense and while endeavoring to maintain normal economic life, the American people are concerned also with what lies farther ahead.

The time will come when millions of workers engaged in producing goods for national employment; when a large army of young men will have completed their military training; when the support provided by the defense program to employment in non-defense occupations will cease. In other countries similar conditions will exist, the effects of which upon this nation's domestic and foreign markets should be anticipated.

Consistent with the maximum defense effort itself, the policies and practices followed during the existing emergency by business, labor, agriculture and government should be such as to lessen the dangers of a post-war depression or cushion the effects if one should occur.

Among such fundamental considerations are protection of government credit, by keeping reserves of borrowing power for future use if needed, and by encouraging the use of private funds for productive defense facilities; prevention of an inflationary spiral of runaway prices and wages; curtailment by industry of any tendency to over-mortgage the future or to build up inventories unnecessarily, by unwise expansion of credit through installment selling or otherwise; efficient expenditure of defense funds, and rigid economy in non-defense expenditures of Federal, State and local governments.

Such measures would not delay or obstruct armament production, yet they would contribute much to preventing a subsequent economic depression.

Free Enterprise

America has been built to its present stature by the free enterprise and individual initiative of its people.

Fifty years ago our geographic frontiers had disappeared. We found that new industrial frontiers offered opportunity for even greater expansion. There are other industrial frontiers before us today still more extensive, still more promising.

Here in America we have an abundance of natural resources of man power, of machines, of capital, of organizing and technical skill.

Inventors' workshops and research laboratories are constantly supplying new things that create new jobs and contribute to a higher standard of living as they are developed into commercial products.

The main assurance of the future welfare of America lies in the present and potential wants of the people and in the ability of free enterprise to provide the goods and services the people desire.

Today and for the future the American people want strength and security, built upon the freedom of individual opportunity. It is this freedom of opportunity that has served America so well in the past; that can make the nation strong and secure in the existing crisis; that can bring security to the individual in the years ahead, in such measure as his individual effort can achieve.

Our heritage and our vision is a free, happy, industrious America, a vital, dynamic America of self-reliant individuals. It is a heritage which Americans acting together can preserve and enlarge. It is a vision which Americans working together can realize and fulfill.

Pledge for Progress

The 1940 Congress of American Industry reaffirms industry's program for American progress and the declaration of principles relating to the conduct of American industry, adopted by this congress in 1938 and in 1939, and further pledges itself:—

1. To continue to defend against attack from any source the American concept of freedom—constitutional representative democracy; private enterprise, and civil and religious liberty, including freedom of speech and freedom of the press.
2. To exert its utmost effort in cooperation with the government to carry out the program of national defense with all possible speed and efficiency.
3. To maintain at the same time, as far as possible, production of goods and services to meet normal needs.
4. To do its full part to prevent or cushion a threatened post-war economic depression, by supporting and following practices which will contribute to the maintenance of a healthy economic life.
5. To continue to promote, within industry, recognition and fulfillment of the economic and social responsibilities which industrial management shares with other groups for the improvement and advancement of the general welfare.

The Congress of American Industry pledges itself to work for the preservation of America's institutions and the protection of America's future.

J&L CXP BENZOL

FOR INCREASE IN YIELD
GREATER PRODUCT UNIFORMITY
USE J & L CXP BENZOL

The exclusive patented process by which J & L makes CXP Benzol completely eliminates corrosive compounds previously present in all grades of benzol. Being free from these destructive compounds and having consistent high quality, J & L CXP Benzol enables you to run your continuous processes for a much longer period of time without replacement of equipment. At the same time, you manufacture a product that has a superior standard of uniform quality. This result is proved by the long-time experience of many process manufacturers. It will pay you to investigate the advantages of using **J & L CXP Benzol.**

Write us today for complete information.

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Paint, Varnish, Lacquer Materials

Producers Unexpectedly Reduce 35 and 50 Percent Leaded Zinc Oxides—Dark and Light Cadmium Red Selenide to Be Lowered —Stearates and Palmitates Unchanged — Rosin Easier

In a surprise move last week, one prominent producer of zinc oxide pigments reduced quotations on 35 percent and 50 percent leaded materials. Other suppliers promptly met the reductions. No reason for the lower prices was advanced, but the trade attributed it to recent easing in pig lead.

Contracting for first quarter delivery held the main interest in the general paint materials market last week and negotiations were reported satisfactory. Dark and light cadmium red selenide will be reduced, effective January 1, but the orange type will remain unchanged. Advances during the week included Isopropyl alcohol, secondary butyl acetate and secondary butyl alcohol. Producers of stearates and palmitates reported that present prices will be extended through the first quarter of the new year. Other materials that will remain unchanged are flake white pigment, metro-nite pigment, asphaltum, chlorinated rubber, soybean protein, and those reported in the last issue.

Casein was in heavy call during the period, with prices still firm to strong. Production remained below normal. Varnish gums were steady. Glues were strong and in heavy call. Dark and medium rosins were available at further concessions, while pale grades ruled steady. Turpentine prices moved within narrow limits, the undertone at Savannah still being regarded as firm. The government remained out of the market as a seller of turpentine but continued to supply rosin. Business was quieter.

Price Changes

Advanced

Alcohol, Isopropyl, 91%, 1½c. per gal.
99%, 2c. per gal.
Butyl acetate, secondary, ¾c. per lb.
alcohol, secondary, ¾c. per lb.
Turpentine, gum, ¼c. per gal.

Reduced

Rosin, gum, 1c. to 17c. per 100 lbs.
Zinc oxide, dom., Amer. process, leaded, 35%, 16 points per lb.
50%, 16 points per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.4	**127.4**	**126.8**	**126.3**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

No further easing in the price of pig lead was reported last week. Buying was mostly for January delivery, with December needs believed covered. Slab zinc demand continued in excess of available supplies, but the market was steadier. Prices were unchanged and firm at New York and East St. Louis.

Lead. — Prevailing spot price at New York, East St. Louis and London for the period from December 7 to December 13, inclusive, were as follows:—

	Pigs		Spot, London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0550@.0555	$0.0535	..* .. ..
Monday	.0550@.0555	.0535	.. .. ..
Tuesday	.0550@.0555	.0535	.. .. ..
Wedn'sd'y.	.0550@.0555	.0535	.. .. ..
Thursday	.0550@.0555	.0535	.. .. ..
Friday	.0550@.0555	.0335	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from December 7 to December 13, inclusive, were as follows:—

	Slabs		Spot, London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0726	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Quiet. Reduction two weeks ago failed to attract any large volume of new business.

Flake White.—Unchanged for first quarter delivery.

Litharge.—Fair demand reported. Price steady.

Lithopone. — Contracting for first quarter underway. As announced, prices will be advanced ¼c. per pound.

Metro-Nite. — Prices will be unchanged for first quarter deliveries.

Orange Mineral.—Fair call. Price firm.

Red Lead.—Shipments regular but mostly in small-sized lots. Prices steady and unchanged.

Titanium Pigments.—Producers began negotiating new contracts at the prices announced last week.. Deliveries during the period remained at a high level.

White Lead.—Price revisions, if any, for first quarter contracts will be announced this week.

Zinc Oxides.—Prominent producers last week reduced 35 percent and 50 percent leaded pigments 16 points per pound. New prices for the bagged material were 6c. per pound in car lots and 6¼c. in smaller lots for both grades. Barrel prices are ¼c. per poung higher.

Zinc Sulphide.—Contracting satisfactory. Current demand fair.

Fillers and Extenders

Asbestos.—As reported, prices will be extended through the first quarter of 1941.

Asphaltum.—Present prices will be unchanged for first quarter delivery.

Barytes.—Contracting fair. Current demand slow. Prices steady.

Blanc Fixe.—Market less active. Prices steady.

China Clay.—Little interest in offerings. Most consumers holding down purchases. Prices steady and unrevised.

Diatomaceous Earth.—Small demand. Price firm.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Wood Preservers Ass'n, Feb. 4-6, Louisville, Ky.
Painting Contractors of Amer., Feb. 4-7, St. Paul, Minn.
Purchasing Agents Ass'n, May 26-29, Chicago.

HOOT MON! PARANOL 25

FOR A MON WI' AN EYE TO LOW COST PRODUCTION

Paranol 25 is a bonny buy . . . and the quality would truly surprise a mon wi' a searchin' pair of eyes!

And listen, mon! The way it works wi' softer oils will make your heart do a highland fling for glee. — Sshish! A sample and data dinna cost ye nothin'.

Our Technical Staff is at Your Service

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

UNMATCHED in light fastness by any other known spirit soluble yellow, Calcofast Spirit Yellow 2R is one of several Calcofast colors developed specifically for staining aluminum foil and foil coated paper. It is an ideal basis for fast to light golds in Nitro-Cellulose-Lacquers that tolerate large additions of alcohol. Like its companion Calcofast colors, it also gives splendid results in specialty wood stains and furniture lacquers, and in non-grain-raising stains.

Other Calcofast Spirit Colors include:

Calcofast Spirit Orange R
Calcofast Spirit Brown G
Calcofast Spirit Black R
Calcofast Spirit Yellow G
Calcofast Spirit Red B

Write today, stating your requirements, and working samples to meet your needs will be sent without charge.

CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
Bound Brook Calco New Jersey
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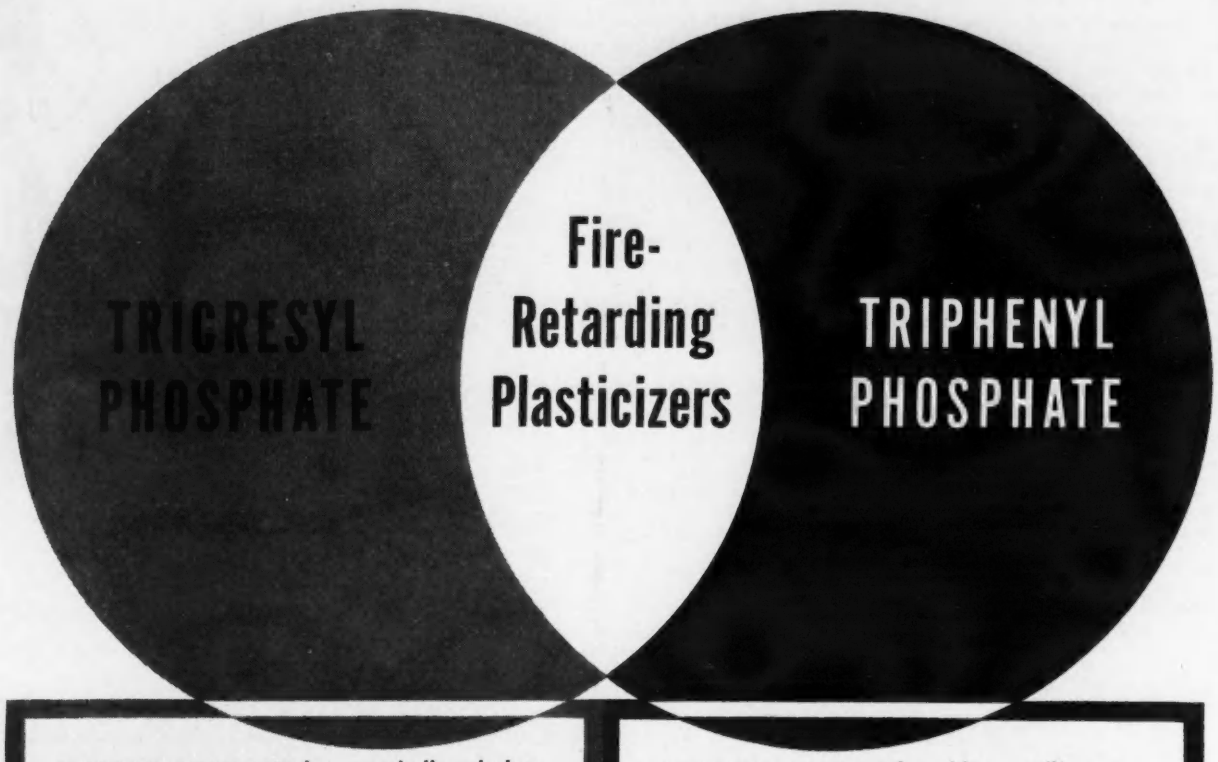

TRICRESYL PHOSPHATE is a practically colorless, odorless liquid weighing about 9.7 pounds per gallon. It has a high boiling point and an evaporation loss of only 0.2% in 100 hours at 100°C. It is the standard fire-retarding plasticizer for nitrocellulose and is compatible with most lacquer resins, giving tough, firm, flexible films of excellent weathering qualities. The ortho isomer has been removed, thereby reducing toxicity dangers to a minimum and making the product more suitable for many applications.

USES

Plasticizer in cellulose ester varnishes, lacquers and plastics; fire retarder in nitrocellulose.

SPECIFICATIONS

Form	Clear, oily liquid
Color	Essentially colorless
Specific Gravity at 20°/20°C.	1.165 ± 0.005
Refractive Index at 20°C.	1.556 ± 0.001
Acidity (as H_3PO_4)	0.01% max.
Free Phenols (Permanganate Test)	A distinct purple color to be present after 30 minutes. (10 gram sample—40c.c. N/100 $KMnO_4$.)

TRIPHENYL PHOSPHATE is a white crystalline compound melting at about 48.5°C., and boiling at 245°C., at 11mm. pressure. Its evaporation rate is of the same order as Tricresyl Phosphate. It is miscible with the common solvents and thinners and with vegetable oils.

It is the most suitable flame retarder for cellulose acetate, and in addition imparts good flexibility and high tensile strength. Acetate films containing about 20 parts Triphenyl Phosphate by weight per 100 parts acetate show satisfactory flame-resistance.

USES

For rendering acetyl cellulose, cellulose formate, airplane dopes, etc., non-inflammable; as lubricant; as plasticizer for cellulose acetate and ethyl cellulose.

SPECIFICATIONS

Appearance	White Flakes
Odor	Very faintly aromatic
Melting Point	48.5°C. min. start
Solution in Alcohol (10 gms. in 50c.c.) Turbidity	Not more than faintly opalescent
Permanganate Test	Distinct purple color to be present after 30 minutes
Assay	99% min.
Free Phenol	0.1% max.
Acidity (as H_3PO_4)	0.003% max.

Further information and samples sent on request from the Monsanto Chemical Company, St. Louis, U.S.A.

MONSANTO CHEMICALS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Fuller's Earth.—Little of new interest. Tone stable.

Graphite.—Buying interest smaller. Shipments regular but in small lots. Prices firm and unchanged.

Marble Flour.—Routine and firm.

Mica.—Fair call for contract deliveries reported. Price firm.

Pumice Stone.—Italian grades unavailable. Prices withdrawn.

Rottenstone.—Producers of domestic material began writing new contracts last week. Prices for first quarter delivery are unchanged.

Talc.—Routine and steady.

Tripoli.—Present prices will be extended through the first quarter of 1941.

Whiting. — Routine call. Prices steady.

Woodflour. — Norwegian material unavailable. Domestic grades attracting fair amount of buying interest. Prices steady.

Driers

Prominent producers of stearates and palmitates reported last week that contracts for delivery during the first three months of 1941 will be written at unchanged prices.

Dry Colors

Alkali Blue.—Market turning quiet. Price steady.

Bone Black.—Business duller. Prices steady.

Carbon Black.—Trade less active. Prices steady. October production in Texas totaled 1,315,773 pounds, compared with 1,369,601 pounds in October, 1939. Despite Japan's efforts to produce carbon black, imports to that country totaled 1,918,000 kin during the first quarter of 1940, compared with 1,871,000 kin in the similar period last year. The kin equals 1.33 pounds.

Cadmium Red Selenide.—Effective January 1, light and dark types will be reduced 20c. per pound to $2.20 for the former and $2.50 for the latter. Contracts for orange material will be written at the unchanged price of $1.50 per pound.

Carmine No. 40.—Firm and unchanged. Demand fair.

Chrome Colors. — Buying satisfactory for this time of year. Prices steady and unchanged.

Iron Oxides.—Normal call reported. Prices steady.

Lamp Black. — Market less active. No change in prices reported.

Lithol-Rubine Toner. — Reductions two weeks ago stimulated interest in offerings. Contract shipments better than normal.

Mercuric Oxides. — Small interest reported. Prices steady and unchanged.

Ocher.—Deliveries about normal. New business light. Prices steady and unrevised.

Sienna.—Offerings were attracting less interest for spot delivery. Advances in burnt and raw Italian sienna two weeks ago failed to affect trade.

Umber.—Fairly good call reported. Prices steady at higher levels reported last week.

Vermilion.—Routine call. Prices unchanged.

Lacquer Materials

Announcements concerning next year's contract prices made their appearance last week. Advances were made in refined grades of isopropyl alcohol, secondary butyl acetate and alcohol. Prices were extended into the early part of next year at firm levels in a number of products including glycols, alcohol ethers, methyl ethyl ketone, amines, phthlates, methyl acetate and ethyl esters. Volume was well maintained, and shipments moved steadily against contracts. Current withdrawals together with the favorable outlook placed the market in an exceptionally firm position. Demand for solvents was expected to be increased directly and indirected by the national defense program over the next several months.

Acetone.—Market firm. Prices retained at levels established preceding period. Shipments steady.

Alcohol, Butyl. — Secondary advanced ¾c., effective January 1, to basis of 7¼c. in tanks, following advance in normal announced preceding week.

Alcohol, Isopropyl.—Effective January 1 price of 91 percent advanced 1½c., making tanks 30c. per gallon; 99 percent up 2c. to 33c. per gallon in tanks. Some sellers advancing base price to 37c.

Butyl Acetate.—On January 1 prices for secondary will be ¾c. higher, making tanks 7c. per pound. Normal advanced 1c. preceding period. Steady call.

Cellulose Acetate.—Shipments moderately active. Prices unchanged and firm. October production sheets, rods and tubes 983,361 pounds; shipments 944,361, against 713,241 and 683,637 pounds, respectively, in like month year ago.

Dibutyl Phthalate.—Current prices remain firm for early part of next year. Routine buying.

Dichlorethyl Ether.—Prices continue firm into 1941. Demand steady.

Ethyl Acetate.—Market remains firm at levels established recently. Withdrawals steady.

Ethyleneglycol. — Prices extended into first quarter of next year. Shipments good.

Methyl Acetate.—Prices renewed for early part of 1941. Business moderately active.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

THE QUALITY OF
IMPERIAL COLORS
IS *Established*
THEIR PERFORMANCE
IS *Time-proven*

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division GLENS FALLS, N. Y.
The largest manufacturers of chemical pigment colors in America
Branch Offices and Warehouses:
Boston - New York Philadelphia - Cleveland - Detroit - Cincinnati
Pittsburgh - Seattle - Chicago - St. Louis - San Francisco
Baltimore - Dallas - Los Angeles - Louisville

RED YELLOW **IRON OXIDES** BROWN BLACK
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
- NEW YORK
- CHICAGO
- ST. LOUIS
- KANSAS CITY
- DES MOINES
- LOS ANGELES
- SAN FRANCISCO
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FRANKS CHEMICAL PRODUCTS CO.
BLDG 9, BUSH TERMINAL — BROOKLYN, N.Y.

ZOPHAR
GILSONITE
ORE IS BOLD AND CLEAN. ALL SCREENED AT THE MINE
Melting points 275°, 305°, and 330°F.
Carload Shipments from Provo, Utah
L. C. L. Shipments from Brooklyn Warehouse
ZOPHAR MILLS, Inc.
112-26th STREET EST. 1846 BROOKLYN, N. Y.

PICCO PRODUCTS
Our Sincere Wishes
for
A Merry Christmas
and a
Happy and Prosperous
New Year
Pennsylvania Industrial
Chemical Corporation
CLAIRTON PENNSYLVANIA

Methylethyl Ketone.—One seller renewed prices for early 1941, while others were advancing prices ½c. to 6½c. in tanks.

Shellac

Price activity was lacking in the spot shellac market last week. Values were firmly maintained at the levels reached by the rise in the previous trading period and although Calcutta was slightly easier and lower at times, the situation there was totally without effect on the local market. Demand continued very good. Notwithstanding the natural tendency to curb spot buying in the period immediately preceding inventory activities, there was still an ample reason for the firm maintenance of values. Interest in January and forward deliveries was substantial and it appeared likely that consumption would mount during the months immediately ahead.

Naval Stores

A rather easy tone prevailed much of the time last week in the primary market for rosin so far as the dark and medium grades were concerned, supplies of these descriptions being available at further concessions. The medium and pale grades held up well, however, as offerings were comparatively light, with buying interest sufficient to absorb the fresh arrivals. Turpentine price movements were narrow and the undertone of that commodity was still regarded as firm, some sellers being of the opinion that no decline of consequence was likely to be witnessed in view of the strength of the statistical position.

The government remained out of the market as a seller of turpentine, but continued to supply rosin. So far as new business was concerned rather quiet conditions prevailed, consumers and dealers being disposed to follow a conservative course in purchasing operations as usual at this season when preparations are being made by some for inventory taking. The movement of rosin and turpentine into consuming channels was reported as steady, however, and the indications, according to some in the trade, still seemed to point to an increase in consumption for the season as compared with the previous naval stores years.

As to new business, the opinion existed in some circles that no material broadening of demand is likely to be witnessed until official details of the government loan program for next season have been received. An announcement in connection with the loan is expected from Washington in the near future.

Turpentine.—The local market was quieter last week, consumers and dealers generally being disposed, as usual at this season, to limit their takings to comparatively small quantities to fill current needs. Price movements were moderate.

SAVANNAH, Dec. 13.—Following is a record of the turpentine market for the week:—

		Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	..	...	...	...	...
Monday	31	10,200	22	331	11,424
Tuesday	31¼	10,000	236	410	11,619
Wednesday	31	7,100	231	72	11,778
Thursday	31	4,950	86	...	11,864
Friday	31	4,750	144	5	12,003

* No trading.

JACKSONVILLE, Dec. 11.—Turpentine stocks 16,376 barrels.

PENSACOLA, Dec. 7.—Turpentine stocks 55,312 barrels.

Chicago—Dec. 13

Consumers of turpentine are buying on a rather conservative basis. Ruling prices at the close of business last night were:—Five-drum lots, 44c. per gallon; five wood barrels, 49c.; single drums, 47c.; single barrels, 52c.

Rosin.—Purchasing of rosin in the local market was generally limited to small or moderate quantities last week, the movement of such lots being reported by some sellers as ligher than in the previous period.

SAVANNAH, Dec. 13.—Following is a record of the rosin market for the week:—

		Price per unit—Low of range quoted—				
		*Sat.	Mon.	Tues.	Wed.	Thurs	Fri.
B	...	...	$1.51	$1.51	$1.50	$1.45	$1.35
D	...	...	1.60	1.59	1.56	1.51	1.50
E	...	...	1.65	1.59	1.56	1.51	1.50
F	...	...	1.67	1.60	1.57	1.52	1.50
G	...	...	1.73	1.66	1.65	1.60	1.58
H	...	...	1.79	1.79	1.70	1.78	1.65
I	...	...	1.88	1.76	1.74	1.84	1.70
K	...	...	2.10	2.10	2.08	2.07	2.08
M	...	...	2.15	2.14	2.14	2.14	2.14
N	...	...	2.20	2.20	2.18	2.20	2.20
WG	...	...	2.52	2.52	2.52	2.52	2.52
WW	...	...	2.75	2.75	2.75	2.75	2.75
X	...	...	2.75	2.75	2.75	2.75	2.75
		Barrels				
Sales	...	...	283	552	418	272	264
Receipts	..	...	736	1,182	977	675	918
Shipts.		...	330	910	597	...	851
Stocks	..	...	...	...	...	...	168,961

* No trading.

JACKSONVILLE, Dec. 12.—Rosin stocks 325,680 barrels.

PENSACOLA, Dec. 7.—Turpentine stocks 11,189 barrels.

Chicago—Dec. 13

Rosin trade is fair. Ruling prices at the close of business last night in five drum lots were:—B grade, $2.95 per lot of 100 pounds net; G grade, $3.04; M grade, $3.65; W.W. grade, $4.05.

Other Naval Stores

Pine Oil.—Buying conservative. Movement lighter. Market steady.

Pitch.—Quotations generally maintained. Spot stocks comparatively light. Fair demand.

Rosin Oil.—Purchasing limited to small or moderate lots. Prices steady.

Tar.—Moderate contract movement. New business slow. Market steady.

Varnish Gums

Fair buying and steady prices continued to feature the local markets for natural resins. Reports from abroad indicated that conditions in primary markets were stable.

Synthetic Resins

Ester Gum. — Contracting for first quarter delivery fairly satisfactory. As reported, prices will be unchanged.

Clorinated Rubber.—There will be no changes in listed prices for first quarter delivery.

Glues and Binders

Casein.—Domestic material was in heavy call during the period under review. Production remained far below normal, with no prospect of a pick-up for several months. Prices remained firm to strong, but unchanged. Argentine material was in good call at previously quoted prices.

Glues.—Demand slightly exceeded offerings of hide and bone glues. Shipments during the week were heavy. Prices remained strong, with no changes reported.

Soybean Protein. — Present prices will be extended through the first quarter of 1941.

Maas & Waldstein Offers New Synthetic Enamels

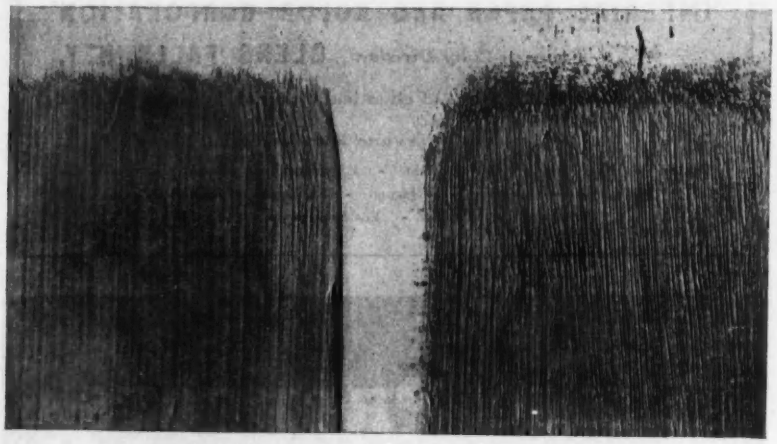
A new line of synthetic enamels that air-dry so hard in twenty-four hours that they will not "paper print" has been announced by Maas & Waldstein Company, manufacturer of industrial finishes, Newark, N. J. The new materials, named Coprene enamels, have a chlorinated rubber base. Suitable for use on all kinds of metal products and on wood, Coprene enamels are available in clear, black, white and colors, and also in silver, copper and other metallic lustres.

N.Y. Paint Club Holds Party

More than 600 members and guests of the New York Paint, Varnish and Lacquer Association and the New York Paint and Varnish Production Club attended the annual Christmas Party December 12 at the Biltmore hotel.

LET ALBALITH MAKE

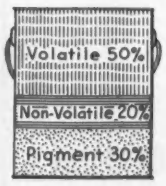
Calcimine Coater Sales FOR YOU



AS A CEILING PAINT

WHEN BRUSHED OUT over composition wall board precoated with a calcimine finish, a "calcimine coater" (left in the photograph) generally gives a more uniform appearing coating than that yielded by the conventional flat wall paint (right). This is due to the development of a special non-penetrating vehicle which, incidentally, brings out most efficiently the desirable properties of high dry hiding ALBALITH Lithopone.

A paint coating for use directly over calcimine ceilings? You know that ordinary flat wall paints won't do the job. That's why more and more painters are using *calcimine coaters*, not only over calcimine ceilings, but on other porous and unprimed surfaces as well.



Typical Calcimine Coater

An economical way to get the non-penetrating qualities and high dry hiding so essential in calcimine coaters is to formulate with Albalith 351, 361 and 362. At high PFV's (pigment fixed-vehicle ratio), no other type of pigment is as economical to use as these high dry hiding lithopones.

For example:

At a PFV of 63% and with a typical limed liquid, you get a raw materials cost of well below that of the average flat wall paint. And one gallon of calcimine coater makes at least 1⅜ gallons of easy brushing, ready-to-use paint.

You can prove all this for yourself. Let us supply further information that will help you.

ALBALITH LITHOPONES

- *351* A high dry hiding lithopone treated for easy wetting and good suspension.
- *361* Gives high dry hiding and free-flowing consistency.
- *362* Gives high dry hiding and higher sheen than Albalith-361.

THE NEW JERSEY ZINC CO., 160 Front Street, New York

Solve Shipping Problems with

THORNTON

FULL REMOVABLE HEAD DRUMS

Bolted Ring Seal Type

On these trouble-free containers the lugs are an integral part of the rim. Simple bolt and nut holds cover securely. Shipping tags or seals can be quickly and easily attached. Made in all sizes 1 to 75 gallons.

Lug Type

This lug type cover has rubber gasket which absolutely prevents leakage. Especially recommended for sizes up to 15 gallons.

for Solids, Semi-Solids and Liquids

Write for quotations on your needs

THE F. C. THORNTON CO.

6712 Union Avenue Cleveland, Ohio

"PITTSBURGH" ZINC DUST

Uniform Grades for **SPECIFIC NEEDS . . .**

DUQUESNE SMELTING Corporation offers you the consultation service of an organization specializing in all matters pertaining to zinc dust and its uses.

Inquiries are invited regarding the correct grade of PITTSBURGH ZINC DUST for specific needs.

DUQUESNE SMELTING *Corporation*

50 Thirty-Third St., PITTSBURGH, PA.

New York Office: 18 E. 48th St.

Pre-tested **SUNOCO SPIRITS**

Puts Pigments in Place

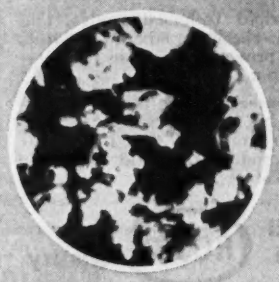
And the proof of the pudding is the accompanying micro-photographs—showing the excellent dispersion properties of Sunoco Spirits.

The combination of the proper mineral spirits and either paint or varnish is most desirable for high quality products. Sunoco Spirits' high solvency assures this and properly disperses the more volatile contents. That's why it is so important when you buy mineral spirits to buy "high solvency."

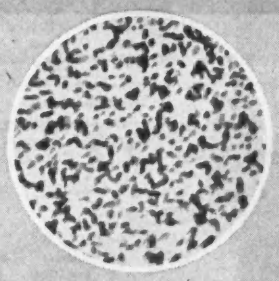
Sunoco Spirits is the dependable, uniform, well-balanced high solvency thinner with an extremely low sulphur content . . . and economical to use.

SUN OIL COMPANY, PHILADELPHIA

Sponsors of the Sunoco News Voice of the Air—Lowell Thomas



Note how pigments cluster in groups and do not spread out evenly, because of poor wetting-out properties of the thinner used.



Proper dispersion of pigments when vehicle combination is right and superior wetting-out qualities of Sunoco Spirits are utilized.

SUN OILS

PETROLEUM PRODUCTS FOR ALL INDUSTRIES

Steudel President Of Sherwin-Williams

—Continued from page 4

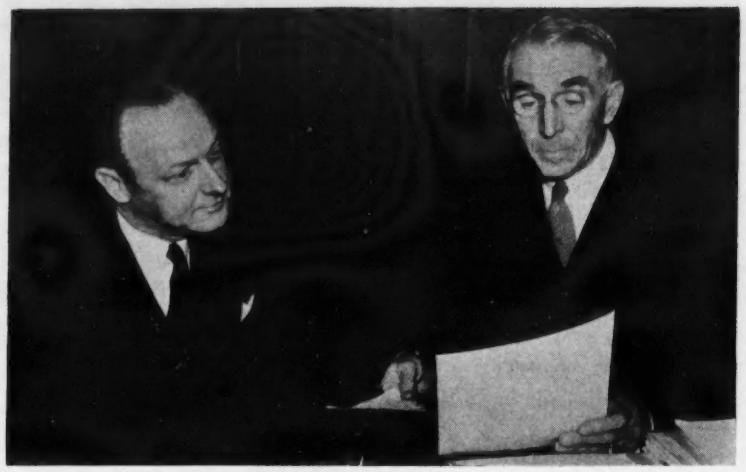
director, and that L. H. Schroeder, treasurer of the company, has been elected to the board of directors.

In reporting to the board, Mr. Martin discussed the record sales of the company and outlined the plant construction work. He said that a new warehouse in Chicago probably would be completed in February and that the first unit of a new chemical products plant there was expected to be in operation by March. A new plant in Argentina was about to go into production, he said. These units are part of the $4,500,000 expansion program.

Mr. Martin declared that the development project had been necessitated by the rapid evolution of the paint, varnish and lacquer industry as a great force in the chemical industry, and this growth has added greatly to the responsibilities of management. In the interest of the company and its future direction, he said, he had decided that a younger man should assume the responsibilities of the presidency. Mr. Martin as chairman of the board will be chief executive officer of the company with appropriate duties and powers.

Mr. Steudel becomes the fourth president of the Sherwin-Williams Company in the seventy-four years of its existence. The new president is forty-eight years old and admirably fitted for his responsibilities, having served in various operating selling and administrative capacities in the paint, varnish, lacquer, chemical and insecticide divisions.

He was born in Cleveland in 1892. After graduating from high school and business college, he entered the employ of the Sherwin-Williams Company in 1908 as office boy. In 1912 he went into the railway sales department; in 1913 the industrial sales department and in 1915 the fast developing dye, chemical and color department. In 1919 he went to New York as eastern manager of that department. In 1923 he returned to Cleveland as assistant to the president and manager of the dye, chemical and color department. In 1929 he was promoted to vice-president of the company and in 1937 he became vice-president and general manager.



Arthur W. Steudel (left), new president, conferring with George A. Martin, new chairman of the board of the Sherwin-Williams Company, who relinquishes presidency after eighteen years.

Mr. Martin, dean of the paint industry and internationally known as an American industrial leader, celebrated his seventy-fifth birthday on November 7, at which time the executives and office staff of the Cleveland headquarters gave him a surprise by sending a special airplane to his ranch near Cuchillo, N. M., bearing a twenty-five pound cake, phonographic records of greetings and a leather-bound album of signatures.

The cake was presented by the "Brighten Up Girls Club of the Sherwin-Williams Company," an organization in which he took the greatest interest. For many years Mr. Martin has had keen regard for the careers of the young men and women of the organization, aiding them to work into positions of greater responsibility.

Mr. Martin joined the Sherwin-Williams Company in 1891 when it absorbed the Calumet Paint Company, which he had formed to manufacture paint for railway cars. He became manager of the western district and developed it into one of the largest branches of the company. In 1905 he went to Cleveland in charge of the auxiliary department, including the lead, zinc and copper mines, the linseed oil plants, power plants and the can department. In 1916 he was made vice-president and in 1921 became general manager of the entire business. A year later he was elected president.

In addition to his activities in building the vast paint corporation which, to quote its trademark, literally "covers the earth," Mr. Martin has played a vital part in the affairs of the industry as a whole through association work. He has interested himself in music through sponsorship of the "Metropolitan Auditions of the Air" and also has taken a great interest in sports, particularly in baseball, being vice-president of the Cleveland ball club.

Planned Maintenance Theme Of Rau Co. Brochure

The Henry S. Rau Company is distributing an illustrated brochure on "Planned Maintenance." This literature contains an informative analysis of the problems identified with plant renovation, modernization and maintenance.

Some of the services available and jobs explained in this literature are sand blasting, pneumatic scaling, brush and spray painting, steam cleaning, pointing, restoration of spalled concrete. Copies may be obtained by writing direct to the Henry S. Rau Company, 2018-D Sansom street, Philadelphia, Pa., mentioning the REPORTER.

Harold E. Webster, president of Pratt & Lambert, Inc., has been elected to the board of directors of the Buffalo Club.

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in 3 years

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Oils, Fats, and Waxes

November Cottonseed Oil Consumption Below Expectations —Small Changes in Prices—Sales of Tallow at a Decline —Greases Also Easier — Trade Generally Slow

Miscellaneous oils, fats and greases were generally quiet last week. In scattered instances a fair inquiry was noted, but as a rule purchasing was of the hand-to-mouth character usually noticeable at this season when consumers and dealers in not a few instances are making preparations for the work of inventory-taking. Offerings of many imported and domestic commodities were light, however, and the prevailing tone was steady. There were few changes in quotations, such as were noted being small.

A development of interest was the publication of the monthly cottonseed report from the Census Bureau. This showed a much smaller consumption of refined cottonseed oil during November than had been expected, the figures being anywhere from 50,000 to 75,000 barrels below trade estimates.

Vegetable Oils

Castor, Dehydrated.—Output moving steadily into consuming channels on contracts. New business quieter. Market steady.

Chinawood.—Local inquiry reported somewhat better. Offerings light, spot and shipment. Market steady.

Coconut.—Crude unchanged. Occasional inquiries reported. Refined steady. Fair demand.

Corn.—Crude firm and ⅛c. higher. Offerings light. Fair inquiry. Refined firm. Demand moderate.

Cottonseed.—Edible oil steady. Demand fairly active.

Oiticica.—Tone steady. Spot stocks small. Fair inquiry.

Olive.—Good inquiry for denatured and edible oil. Offerings limited. Prices nominal. Fair demand for foots. Consular report estimated olive oil production in Greece this season 100,000 to 105,000 metric tons; last season about 117,000 metric tons.

Palm.—Quiet and steady. Offerings light, spot and shipment.

Peanut.—Crude and refined steady. Fair demand. Primary offerings light.

Perilla.—Spot stocks limited. Quotations nominal. Inquiry slow.

Rapeseed.—Refined oil in light supply and steady. Trade quiet.

Soybean. — Quotations generally maintained. Steady contract movement. New business quieter.

There was no trading in soybean oil futures on the New York Produce Exchange from December 7 to December 13, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	...	...	4.50@4.75
May	...	...	4.50@4.75

Markets at Other Centers

Chicago, Dec. 13.—Vegetable oils quiet.

COCONUT.—Refined, edible oil, 7¼c. to 7½c. per pound, drums, car lots; 7¾c. to 8c., less car lots.

CORN—Crude, low acid, 5⅞c. to 6c. per pound. Refined, edible oil, 8⅛c. to 8¼c. per per pound, drums, car lots; 8½c. to 8¾c., drums, less car lots.

SOYBEAN.—Crude, 4⅜c. to 5c. per pound.

The market for soybeans on the Chicago Board of Trade was fairly active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing— Dec. 13.	Dec. 6.
Cash, No. 2..	$0.97¾	$0.95½	...	$0.97½
March	.95	.89¼	$0.89⅞	.93⅝
May	.94⅝	.89	.89¾	.92¾

Linseed Oil

Changes in flaxseed quotations generally moderate. Linseed oil, cake and meal steady. Seed imports here last week 174,135 bushels, in transit to Albany.

Flaxseed—DULUTH, Dec. 13.—Rush of flaxseed to market before close of navigation is over and receipts are now light. Cash premiums are increasing. Stocks decreased 211,000 bushels this week.

Price Changes

Advanced

Corn oil, ⅛c. per lb.

Reduced

Carnauba wax, No. 3 chalky, 2c. per lb.
No. 3 North Country, 2c. per lb.
No. 1 yellow, 1c. per lb.
No. 2 yellow, 1c. per lb.
refined, 1c. per lb.
Grease, ⅛c. to ¼c. per lb.
Lard, Western, 10c. per 100 lbs.
Tallow, ⅛c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
100.3	**100.4**	**99.2**	**104.2**

Market news that may have developed after this report was sent to press will be found on page 4.

The week's closing price range was as follows:—

	Cash.	Dec.
Saturday	$1.59½	$1.56
Monday	1.61	1.58
Tuesday	1.62	1.59
Wednesday	1.62¼	1.59
Thursday	1.61½	1.58½
Friday	1.61½	1.58½

Crop movement in bushels follows:—

	Receipts— 1940.	1939.	Shipments— 1940.	1939.
This week	12,727	2,462	219,562	43,613
Since Aug. 1..	5,797,339	4,302,622	4,344,025	3,904,477

MINNEAPOLIS, Dec. 13.—Competition for cash flax offers is increasing gradually and the undertone of the market is strong. Offers are fair for this season of the year and farmers are liquidating small amounts for holiday money. All of the seed moving is coming to this market as there is no diversion point demand for movement to the head of the lakes. Shippers filled out their cargoes before the close of navigation and as yet show no inclination to build up fresh reserves for movement east in the Spring. Trade in futures is better, with speculative demand for May contracts increasing. Crushers have been buying December and May contracts on all setbacks. Crop news from California is favorable, although data on acreage seems to be lacking.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.62½	$1.56½	$1.59
Monday	1.64	1.58	1.60¼
Tuesday	1.65	1.59	1.61½
Wednesday	1.65¼	1.59¼	1.60¾
Thursday	1.64½	1.58½	1.60¼
Friday	1.64½	1.58½	1.57½

Crop movement in bushels follows:—

	Receipts— 1940.	1939.	Shipments— 1940.	1939.
This week	117,600	79,800	51,800	30,800
Since Sept. 1..	7,724,500	3,492,600	1,126,200	1,500,850

WINNIPEG, Dec. 13.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.29¾	$1.34⅛	$1.34⅝
Monday	1.30	1.34½	1.35⅝
Tuesday	1.31½	1.36¼	1.37
Wednesday	1.31¼	1.35⅝	1.36⅝
Thursday	1.30	1.35½	1.35½
Friday	1.29	1.33½	1.35

BUENOS AIRES, Dec. 13.—Flaxseed, December, 71¼c. per bushel. Exports this week 102,000 bushels, including 94,000 to the United States. Total since January 1, as follows:—

	Bushels— This year.	Last year.
United States	12,034,000	13,300,000
United Kingdom	6,065,000	2,220,000
Continent	11,856,000	23,437,000
Orders	600,000	8,137,000
Others	1,206,000	2,618,000
Totals	31,767,000	49,712,000

Visible Supply

	Bushels.
Last week	4,331,000
Previous week	3,343,000
Last year	1,181,000

Linseed Oil.—A steady tone continued to prevail in the market here, quotations generally being held at former levels in the absence of marked changes in flaxseed prices. There was little to record in the way of activity so far as new business was concerned, although inquiries were not entirely lacking. Such transactions as were reported, however, were limited to unimportant quantities. There was a steady movement from local mills to consumers and dealers on contracts, withdrawals being larger than expected by some in the trade at this season when preparations are under way in come cases for the work of inventory-taking. Advices from outside points also reported a steady and liberal movement on contracts previously placed. Mills were generally reported to be operating at capacity, and there was a good demand for cash flaxseed.

MINNEAPOLIS, Dec. 13.—Linseed oil is rather quiet and is not expected to improve much until after the holidays. Buyers are interested in small lots where they failed to engage full current requirements. Most all of them have orders booked for most of the oil they will need up to June 1 and are not making fresh purchases until need looms up. Consumption in general exceeds the conservative estimates of the trade and it looks as though quick shipment buying would improve after the turn of the year. Quotations on carload lots, f.o.b. Minneapolis, tanks, 7.9c. per pound;

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

N. Y. Oil Trades Ass'n, Jan. 21, New York.

cooperage, 8.5c. per pound; warehouse lots, 8.9c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	2,950,000	1,780,000
Since Sept. 1	52,250,000	50,200,000

Cake and Meal.—A steady tone continued to prevail in the local market. Trade in meal was fairly active. Cake quiet.

MINNEAPOLIS, Dec. 13.—Linseed meal buyers are a little more cautious due to the fact that the soybean trade is improving slightly. As yet the soy meal makers are not operating freely. Linseed mills are virtually sold out for the balance of the year and have only occasional car lots to offer. Quotations on carload lots, f.o.b. Minneapolis, 100 pound sacks, $29 to $30 per ton.

Shipments of meal in pounds were as follows:

	1940.	1939.
This week	10,480,000	5,400,000
Since Sept. 1	114,721,000	70,700,000

Cottonseed Oil

Changes in refined cottonseed oil futures continued narrow. Trading quiet. Southern markets generally steady or firm.

Cottonseed Oil.—The principal development of the week was the publication of the monthly cottonseed report from the Census Bureau. The report was received on Thursday. It proved to be disappointing to advocates of higher prices for cottonseed oil, the indicated consumption during November being only 285,655 barrels, whereas trade estimates had ranged from 325,000 to 350,000 barrels or higher. In October the consumption was 315,764 barrels. Publication of the report was followed by scattered liquidation which gave the market an easier tone. There was little disposition to take the agrressive on the selling side, however, and price movements were small.

Southern markets for crude oil were generally steady though quiet. Seed remained high, quotations ranging from $26 to $30 per ton, according to location, and offerings of crude oil were light. Existing prices for oil were said by some to be below the cost of production and in this connection it is of interest to note that at this time last year crude oil was more than a cent a pound above the current price while seed prices were one to two dollars per ton below those now prevailing.

Trade in shortening and cash refined cottonseed oil was reported as quieter. Sales of tallow and grease were noted at lower prices. Hog marketing continued free, arrivals in the principal Western centers for four days of the week aggregating 423,700 head against 352,900 head in the same time last year. The weight of the hogs received in Chicago during the week ended December 7 averaged 227 pounds, the same as in the previous week. The export movement of lard continued light. During November exports of lard from Atlantic and Gulf ports for all foreign destinations were 1,401,420 pounds, or 7,400.555 pounds less than in November last year.

The final government estimate of the cotton crop for the current season made it 12,686,000 bales, against 12,847,000 bales a month earlier and a production last season of 11,817.000 bales. The quantity of cotton ginned to December 1 was 10,870.247 bales against 11,110.486 bales last season. Cotton farmers voted to continue the acreage quota plan into hte 1941 season.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from December 7 to December 13, inclusive, consisted of 404 contracts, a total of 24,240,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	5.90	5.81	5.78@5.81
March	5.98	5.84	5.84 | 5.86
May	6.07	5.94	5.93@5.94
July	6.14	6.00	5.99@6.01
December	5.90	5.80	5.78@5.85

Crude, Southeast—.04¾c. nom.

Chicago, Dec. 13.—Cottonseed oil fairly active. Refined, edible oil is 7½c. to 8c. per pound drums, car lots; and 8c. to 8¼c., drums, less than car lots.

Cake and Meal.—The tone of Southern markets remained steady or firm. Offerings light. Trade in meal fairly active.

Markets at Other Centers

Atlanta, Dec. 12.—Cottonseed meal $31.50 to $32 per ton. Prime crude oil 4⅞c. per pound. Sales light.

Memphis, Dec. 12.—Scattered sales of crude cottonseed oil at 4¾c. per pound, Valley basis. No material selling pressure developed. Buyers continue indifferent. Meal, 41 percent, $29 per ton, Memphis basis. Bulk slab cake $26.75 per ton, December shipment. Hulls $8.50 per ton, mill points. Seed $30 per ton. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Dec. 5.	Dec. 12.
January	$26.90@27.25	$26.85@27.35
March	25.90@26.15	25.70@26.00
May	25.50@25.90	25.25@25.60
July	25.40@25.80	25.00@25.25

Closing soybean meal futures:—

January	$23.50@26.00	$24.00@25.15
March	25.00@....	24.00@24.25
May	24.60@25.00	23.85@24.10

Fatty Acids

Capric Acid.—Quotations are maintained. Tone steady. Fair demand.

Caproic Acid.—Prices stationary. Consumers purchasing for current needs.

Castor Oil.—Steady contract movement. New business quieter. Prices unchanged.

Coconut Oil.—Consumers purchasing for current needs only. Tone steady.

Cottonseed Oil.—Buying conservative as usual at this season. Prices maintained.

Lauric Acid.—Moderate lots moving in fair volume. Market steady.

Linseed Oil.—Prices stationary with raw material. Business quiet.

Red Oil.—Improved inquiry from makers of textile compounds. Prices steady.

Soybean Oil.—Contract movement steady. New business less active.

Stearic Acid.—Raw material easier. Stearic acid market steady. Demand moderate.

Tall Oil.—Contract movement holding up well for this season. New business quieter. Tone steady.

Chicago—Dec. 13

Business is reported good in most grades of fatty acids.

RED OIL—Distilled or saponified, tanks, 6¼c. per pound.

STEARIC ACID—Distilled, single press, 9c. to 10c. per pound; double press, 9½c. to 10½c.; triple press, 12¼c. to 13¼c.

OTHER FATTY ACIDS—Corn oil, double distilled, 8¼c. to 8½c. per pound, tanks; coconut oil, acidulated, 9¼c. to 9½c., tankcar; cottonseed oil, double distilled, 7¼c. to 7½c. per pound, tankcar; settled cottonseed soap stock, 60-62 percent basis, 2⅝c. to 2¾c.; boiled down soap stock, 65 percent basis, 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Cod.—Local market quiet and steady. Primary offerings light.

Menhaden.—Refined firm at recent advance. Buying limited to moderate spot lots.

Sardine.—Local prices held at advance previously noted. Trade quiet. Crude firm.

Sperm.—Fair movement on contracts. New business slow. Prices steady.

Whale.—Demand generally limited to comparatively small lots for prompt shipment. Canadian whale oil production off Queen Charlotte Islands for current season 8,130 barrels, including 5,473 sperm.

Markets at Other Centers

Baltimore, Dec. 11.—Small lots of crude menhaden oil sold at 30c. per gallon, makers of vitamin preparations being the reported buyers. Chesapeake Bay stocks about exhausted. North Carolina fishing continues poor.

Fats and Greases

Grease.—Tone easier. Quotations shaded ⅛c. to ¼c. Trade quiet.

CHICAGO, Dec. 13.—Choice white grease, 4½c. to 4⅝c. per pound; yellow, 3¾c. to 4c.

Lard.—Domestic cash trade fair. Foreign movement was light. Price changes moderate.

CHICAGO, Dec. 13.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing— Dec. 13.	Dec. 6.
Cash	$4.50	$4.30	$4.50	$4.52
May	5.82	5.57	5.57	5.85
July	6.02	5.77	5.77	6.05

Stearin.—Local market quiet. Offerings light. Tone steady.

CHICAGO, Dec. 13.—Prime oleo stearin, 5¾c. to 6c. per pound; lard stearin, 6c. to 6¼c.

Tallow.—Offerings freer and market easier. Sales of extra reported at 4½c. per pound, prompt delivery, and 4⅝c. for January delivery.

CHICAGO, Dec. 13.—Edible tallow, 4⅝c. to 4⅞c. per pound; prime, edible, 4½c. to 4¾c.; special, 4⅛c. to 4¼c.

There was no trading in tallow futures (new contracts) on the New York Produce Exchange from December 7 to December 13, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	...	...	4.85@5.00
May	...	...	4.85@5.00

Animal Oils

Degras.—Fair movement of moderate lots to local and other consumers. Prices steady.

Lard.—Local selling schedules maintained. Tone firm. Fair demand.

CHICAGO, Dec. 13.—No. 1 lard oil, 7½c. to 8c. per pound.

Neatsfoot.—Buying generally limited to small or moderate lots. Prices steady.

Oleo.—Offerings light. Tone firm. Trade quiet.

CHICAGO, Dec. 13.—Extra oleo oil, 7c. to 7½c. per pound.

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Light Cold Pressed Alkali Refined
Pale Blown Pale Kettle Bodied
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DARLING & COMPANY
Manufacturers 4201 S. ASHLAND AVE., CHICAGO, ILL. *Stocks in Principal Cities*

Tallow.—Market steady. Raw material easier. Business quiet.

CHICAGO, Dec. 13.—Acidless tallow oil, 7¼c. to 7½c. per pound.

Waxes

Bayberry.—Steady but without much activity.

Bees.—Mainly steady. Crude African off slightly to 29c. to 30c. per pound. Brazilian holding sturdily to recent levels. Bleached and refined waxes steady to firm. Demand good. Chili exported 142 metric tons in first eight months of 1940. To the United States, 135 tons; to the United Kingdom, 7 tons. Formerly shipped most of production to Germany.

Candelilla.—Spot lower. Chalky and No. 3 North Country, ton lots, 59c. to 60c. per pound; No. 1 yellow, ton lots, 71c. to 72c.; No. 2 yellow, 70c. to 71c. Refined, 64c. to 65c. Easier market reflects forced liquidation of merchandise in primary market. Chalky grey as a classification will disappear after the current season. Conforms to law in State of Cera fiscalizing production, based on a Federal decree—law nummer 5739, of May 29, 1940. Imports to United States first ten months this year totaled 13,845,591 pounds, comparing with 12,869,052 pounds equivalent period, 1939.

Japan.—No lower but still fairly easy on spot due to competition.

H. S. Conrey Feted on Retirement from Merck & Co.

Henry S. Conrey, manager of the arsphenamine sales division of Merck & Co. has retired. Bearing many gifts from fellow workers, Mr. Conrey boarded the train for his last regular commuting trip between Rahway, N. J., and Philadelphia, after ten and a half years of shuttling back and forth. Fourteen Merck employees, who have been his companions during that time, were with him. The Pennsylvania Railroad had arranged for a special dining car to be attached to the regular commuters' train, and here a celebration dinner was served. Commemorative menus were printed for the occasion, and a cake, lighted with ten and a half candles, was presented by the railroad.

N.D.T.C. to Raise Funds For Pharmacy Schools

—Continued from page 3

Whereas, experience has taught that repeated and widespread use of such cautionary and warning statements results in a diminution of the cautionary value and leads to public indifference and disregard; therefore be it

Rowland Jones, Jr.
Re-elected N.D.T.C. Secretary-Treasurer

Resolved:—That the Federal and State authorities be urged to limit the requirement of such emphatic warnings and cautions to drugs and medicines of a dangerous and potent character so that the public will ascribe to such warnings and notices the meaning therein intended and receive that degree and kind of protection that the food, drug, and cosmetic act contemplates.

Other resolutions setting forth the opinions of the conference were adopted as follows:—

Resolved:—That the committee on endowment be continued and that there be delegated to it the responsibility of working out all necessary details relative to the organization of a body whose responsibility will be to collect and allocate funds in behalf of pharmaceutical education and that the committee be given an opportunity to present its completed plan to the conference in the near future.

Resolved:—That the U.S.P. and N.F. committees of revision be requested to consider the feasibility of including in the official standards tables of poisons and toxic drugs, the distribution of which in the several States may be subject to the requirements of the State poison laws, to serve as a guide for uniform revision of State poison laws.

Resolved:—That the National Drug Trade Conference hereby recommend that each State or local sales or use tax law contain a provision exempting drugs and surgical supplies for the reason that such essential articles should not be subject to a consumption tax principally paid by the poor and needy and which is effective to increase the cost of medical care accordingly.

Labeling Warnings

Requirements of section 502 (f) of the food, drug, and cosmetic act with respect to warnings on drug labels were analytically presented by R. P. Fischelis in his report as chairman of the special committee on food and drug laws and regulations. He also took up the requirements for the use of the so-called "Rx legend" or caution, comparing these with the practice of employing this statement to avoid the necessity of meeting the full labeling requirements of the law. He said that State enforcement offi-

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cials favored the limitation of this caution to drugs not commonly sold without a prescription, as they felt that some drugs must thus be sold and presented no dangers of self-medication. The officials, he continued, are desirous of avoiding the hazards of self-diagnosis but they feel that the psychological effects of warnings might eventually be contrary to that intended.

Dr. Fischelis spoke of the growing trend toward placing the control of the distribution of drugs to the public directly in the hands of the medical profession or indirectly setting up such control through obligatory labeling often unnecessary from the standpoint of public welfare.

Dr. Fischelis presented a comparative listing of the latest (November, 1940) revision of the Food and Drug Administration's suggested warning statements and those, generally simplified, which had been prepared by a committee of State enforcement officials. Because of the widely applicable informative nature of these suggested and proposed warnings and the State officials' comment thereon they are printed in full elsewhere in this issue.

Educational Endowment

Prof. Ernest Little, chairman of the committee on endowment, reported extensively its compilation of data obtained in response to a questionnaire addressed to deans of colleges of pharmacy. This questionnaire was designed to ascertain the extent to which such schools are financially assisted by the State, and by endowments and gifts and the extent to which their incomes cover the cost of providing the education to which they are devoted. It was significant that out of fifty-eight colleges furnishing information in the matter forty-six indicated no income from endowment and only thirteen indicated some income from other gifts.

The replies to the questionnaire indicated that a great majority of pharmacy schools are handicapped in their undergraduate operations and particularly with respect to postgraduate work. The replies also indicated that college deans generally believe that the drug industry would contribute to a centralized fund, and it was evident throughout that the reciprocal benefits of such contributions were believed to be potentially high. It was clearly indicated also that many colleges are inadequately staffed and that the members of their faculty are inadequately paid. Equipment in the way of books and apparatus is also needed quite generally.

It was the feeling of Professor Little's committee on the basis of questionnaire experience that the conference should consider the advisability of furthering the formation of an organization to work for better financing of pharmacy schools. There was some difference of opinion as to the desirable composition of such a body and also as to its corporate or other setup. The conference itself as indicated in the resolution above received the proposal favorably and a special meeting will be called as soon as the endowment committee is ready to make a report which will include the plan of action.

It was also voted that a copy of the full report presented by Professor Little be sent by the conference to every pharmacy college dean in the United States. Discussion of the report brought out especially the point that there was a need for improving the administrative organization of many colleges.

An informative report on the progress made and the general situation with respect to the status of pharmacists in military service was made by E. F. Kelly. Discussion of this report looked mostly to the necessity of making available adequate information for local draft boards with respect to the necessity of deferring the drafting of pharmacists for selective training.

Officers Re-elected

Unanimously presented by the committee on nominations through A. G. duMez and unanimously voted for by the conference, the following officers were returned to their respective stations in the official family:—

President, Carson P. Frailey, of the American Drug Manufacturers Association.

Vice-president, Harry Noonan, of the American Pharmaceutical Manufacturers Association

Secretary-treasurer, Rowland Jones, jr., of the National Association of Retail Druggists.

The executive committee composed of one representative of each of the nine affiliated associations and chosen by the delegates of the respective associations is constituted as follows:—

American Association of Colleges of Pharmacy, A. G. duMez.
American Drug Manufacturers Association, Carson P. Frailey.
American Pharmaceutical Association, R. P. Fischelis.
American Pharmaceutical Manufacturers Association, Harry Noonan.
Federal Wholesale Druggists Association (selection deferred).
National Association of Boards of Pharmacy, A. C. Taylor.
National Association of Retail Druggists, Rowland Jones, jr.
National Wholesale Druggists Association, E. L. Newcomb.
Proprietary Association, F. J. Cullen.

American Export Prices And Cartels Studied

OPD Washington Bureau
December 10, 1940

Senator Joseph C. O'Mahoney, chairman of the Temporary National Economic Committee, today announced the release of three studies submitted to the committee entitled "Export Prices and Export Cartels" which are published in one volume as committee monograph No. 6.

Part I is a study writen by Dr. Milton Gilbert of the Department of Commerce entitled "A Sample Study of Differences Between Domestic and Export Pricing Policy of United States Corporations." Part II, entitled "Direct Foreign Investment in American Industry" represents a study made by Paul D. Dickens of the Department of Commerce, analyzing the extent to which foreign-owned corporations control production in the United States. Part III, entitled "Operations of Export Trade Act (Webb-Pomerene Law), 1918-1940," is a study of the Federal Trade Commission indicating how American corporations have united to penetrate the foreign market.

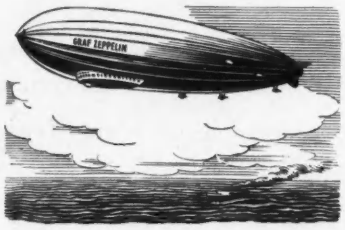
Copies No. 6 now may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C.

Union Carbide to Build Plastics Plant in N.J.

The Union Carbide & Carbon Corporation, this city, will build a plant "costing several million dollars" at Bound Brook, N. J., for the manufacture of vinylite plastic. Construction will be started this month and is expected to be completed in about eight months. The plastic, which has been on the market for several months, is produced from vinyl resins and is a compound of vinyl chloride and vinyl acetate.

12 Years of
ACETPHENETIDIN
U.S.P.
Production

TWELVE YEARS is a long time in this fast-moving world. A dozen years ago the world was agog over the new "talkies" and "The Jazz Singer" received a special award as the first movie to be heard as well as seen. America was thrilled by the flight of the Graf Zeppelin from Friedrichshafen, Germany, to Lakehurst, N. J., in 4 days, 15 hours, and 46 minutes. President Coolidge was in the White House in 1928, all seemed well with the world and Dow was beginning the production of Acetphenetidin, U.S.P.



These twelve years of production have established Dow as a leading producer of Acetphenetidin for use in medicine as an antipyretic, analgesic, and sedative. Twice ground through pulverizing mills at 200 mesh fineness, this crystalline powder is characterized by exceptional whiteness, while its purity is indicated by a melting point of 134½ to 135½° C. Dow ships this dependable, uniform product in barrels of 200 lbs., net; and in fibre drums of 100 lbs. net.

Be sure to see the Dow Exhibit at National Chemical Exposition, Chicago

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Drugs, Fine Chemicals

Tartar Products Rise as Raw Material Cost Mounts—Secondary Butyl Acetate and Alcohol Up—Ephedrine Down —Measures Taken to Control Influenza

The extremely sharp advances in prices on tartaric acid, cream of tartar, Seidlitz mixture, and Rochelle salt should have surprised no one. Considering the restricted sources of supply from which raw material can now be obtained, and in view of the constant rise in prices paid for the same, further advances in quotations on derived products were a practical certainty. The developments was the price feature of the drug and fine chemical market last week.

Other important changes were:—A substantial drop in quotations on all forms of ephedrine; a slight decline in the price of domestic quicksilver; higher quotations on secondary butyl acetate and alcohol; and a rise in the quotation on isopropyl alcohol.

Numerous seasonal items received stimulation of demand from the fact that the influenza has appeared in some half a dozen states. Furthermore, it seemed to be working toward the east and the New York health authorities indicated forehandedness by planning combative measure in the event of the worst happening.

Also, seasonal items were subject to a volume of demand the natural result of the pre-winter period. The call in that respect was fully up to that in recent periods and resulted in substantial firmess being the leading characteristic of practically all quotations.

Price Changes

Advanced

Butyl acetate, secondary, ¾c. per lb.
Butyl alcohol, secondary, ¾c. per lb.
Cream of tartar, 2c. per lb.
Isopropyl alcohol, 91 pc., 1½c. per gal.
99 pc., 2c. per gal.
Rochelle salt, 2c. per lb.
Seidlitz mixture, 1½c. per lb.
Tartaric acid, 3c. per lb.

Reduced

Ephedrine alkaloid, 10c. per oz.
hydrochloride, 10c. per oz.
sulphate, 12c. per oz.
Quicksilver, $1 per flask

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
203.5	203.3	203.3	194.8

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Rise in demand keeps trade above seasonal normal.

Acetone.—Firm at late advance. Futures selling well and steadily.

Acetophenetidin.—Conditions tend to raise consumption. Firm market.

Acid, Acetylsalicylic.—Outlook favorable for 1941 business. Firm.

Acid, Benzoic.—New business small. Interest noted in January deliveries. Prices hold firm.

Acid, Boric.—Spot activity negligible. First half of 1941 production well sold up.

Acid, Camphoric.—Firm but not very active. Fair but not large stocks.

Acid, Citric.—Seasonally quiet on spot. Fair export business done.

Acid, Salicylic.—Activity routine. Small orders tide over buyers into new year. Steady undertones.

Acid, Tartaric.—Prices advanced 3c. per pound. Market: 10,000 pounds, one shipment, 46¼c. per pound; smaller lots, 46¾c. f.o.b. spot. Shipments out of Chicago ½c. more. No contracts entered. Advance forced by cost of crude tartar. Second-hand market said to have topped 50c. per pound.

Alcohol.—Firm and active for deliveries through first quarter, 1941. Higher prices should not surprise. Production costs on rising curve. Full statistics for fiscal year activities issued.

Amidopyrene.—Sales likely to gain early in 1941. Fully stable market.

Ammonia Bromide.—More than ordinary interest displayed. Steady.

Ammonia Chloride.—Seasonal volume of sales maintained readily.

Antiyprine.—Steady. Sales likely to rise. Very stable market.

Argols.—Impossible to quote a market. Cost very high and rising.

Bismuth Metal and Salts.—Lacking special feature but fully stabilized in price and demand.

Borax.—New business scarce. Six months of 1941 production well sold up.

Butyl Acetate.—Secondary advanced ¾c. per pound. Tanks, 7¼c.; drums, car lots, 8¼c.; less car lots, 8¾c. Follows rise in normal item.

Butyl Alcohol.—Secondary advanced ¾c. Tanks, 7¼c. per pound; drums, car lots, 8¼c.; less car lots, 8¾c. No change announced on tertiary.

Caffeine.—Substantial coverage of January-June needs reported on contracts at current prices. Quantities obtainable under strict control. Sales to regular customers only and quantity restricted to previous actual withdrawals. Resale goods would fetch around $5 per pound. Citrated in strong, active position.

Camphor Monobromated.—Curve of demand shows seasonal rise.

Castor Oil.—Firm. Dehydrated item moving splendidly. Other varieties in conventional request. Future of raw material supplies depends on availability of shipping from Brazil.

CHICAGO, Dec. 11.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels less than car lots, 10⅞c.; returnable drums, car lots, 9c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.;

Chrysarobin.—Confirmed at $5 per pound. Firm market.

Codeine.—Phosphate and sulphate demand stimulated by seasonal influences. Consumption rising in Far West.

Cocoa Butter.—Strong and scarce. Prices about nominal.

Corn Syrup.—No higher but still showing marked strength.

Cream of Tartar.—Prices advanced 2c. per pound. Market:—5,000 pounds, one shipment, 38¼c. per pound; smaller lots, 38¾c. in barrels; kegs, 39¼c. f.o.b. spot. Shipments from Chicago stocks ½c. higher. No contracts offered by high cost of raw material.

Creosote.—Sustained consumption keeps to seasonal normal.

Emetine.—Offered freely under competitive conditions.

Eserine.—Offered sparingly. Few hold normal stocks. Price strong.

Ephedrine.—Prices drop again. Low-

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Fed. Wholesale Druggists, Feb. 4-6, New York.
Amer. Drug Mfers. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

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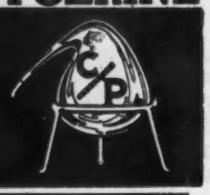

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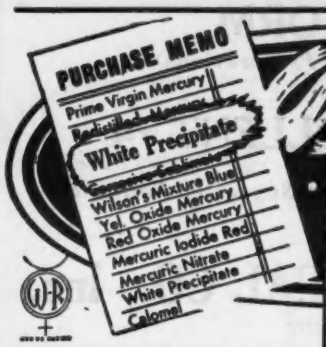

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est price level ever. Alkaloid, 55c. per ounce; hydrochloride, 65c.; sulphate, 53c. Schedule on 1,000 ounce business. Smaller lots, 10c. higher.

Ether.—Situation strengthening. Synthetic item very firm. Anesthesia item in normal demand.

Glycerin.—Drop in shipments not exceeding normal decline at most year ends. Fundamental position firm. Complete price stability maintained.

CHICAGO, Dec. 11.—Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c. drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Guaiacol.—More than ordinary seasonal demand noted. Market undertones sturdy.

Isopropyl Alcohol.—91 percent up 1½c. Market 35c. per gallon, drums, car lots. Tanks, 30c. 99 percent, 2c. higher at 33c. in tanks. Some sellers advanced to 37c.

Magnesium Trisilicate.—Price of 40c. per pound prevails on 1,000-pound lots. Smaller lots, 45c. Last change was 10c. drop.

Menthol.—Demand strictly conventional. Market undertones easy.

Mercurials.—Slight decline in quicksilver failed to affect mercurial schedule. Market quiet but steady.

Methanol.—Contract coverage engages first quarter production substantially. Stable prices to govern for three months at least. Natural tendency would be upward if consumption swells.

Methyl Acetone. — Nothing new forthcoming on price schedule for natural item.

Methylethyl Ketone. — One maker holds price unchanged. Another advances ½c. January 1.

Morphine.—Excellent and entirely seasonal demand for sulphate. Very firm, well stabilized market.

Potash Acetate.—The seasonal swing in demand reaches normal heighth. Firm, well maintained prices. Little competition.

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CHICAGO CHARLOTTE NEW ORLEANS TORONTO

Potash Bromide. — Seasonal consumption boosts sales moderately.

Potash Citrate.—Excellence of demand traces to seasonal influences. Jobbers placing reorders substantially.

Potash Guaiacolsulphonate.—Trade not too active. Prices still firm.

Quicksilver. — Local values off slightly to $167 to $168 per flask. Foreign metal around $250 per flask, c.i.f. New York. No urgent spot demand.

Quinine. — Imports direct from Netherlands Indies totaled 1,748,000 ounces since March, 1940. Total imports, 2,364,300 ounces. Nothing received from Netherlands since last April. Total imported greater than for any year since 1923. Imports, other salts and derivatives, amounted to 821,000 ounces of which 737,000 ounces originated in the Netherlands and 62,500 ounces in the Netherlands Indies. Demand for hydrochloride, salicylate, and bisulphate stimulated seasonal influences. Second hands ask $1.10 per ounce for ethylcarbonate.

Rochelle Salt.—Higher by 2c. per pound. Market: Powder, 5,000 pounds, one shipment, 28¼c. per pound; smaller lots, 28¾c. Crystals, 5,000 pounds one shipment, 29¼c.; smaller lots, 29¾c., f.o.b. New York. Shipments from Chicago stores, ½c. more.

Salol.—Seasonal stimulation raises consumer interest and needs. Very steady.

Seidlitz Mixture.—Higher because of raw material cost. Rise totals 1½c. per pound. Market, 5,000 pounds, one shipment, 22¾c.; smaller lots, 23¼c. f.o.b. New York. Shipment from Chicago warehouses, ½c. more.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	23
Monday	26⅞	34¾	22⅞
Tuesday	26⅞	34¾	23⅛
Wednesday	26⅞	34¾	22⅞
Thursday	26⅞	34¾	22⅞
Friday	26⅞	34¾	22⅞

Soda Bromide.—More than usual demand noted. Conditions have stimulated consumption moderately. Prices steady.

Soda Citrate.—Considering time of year, demand holds up well. Prices completely stable.

Soda Salicylate.—Seasonal requirements hold volume to normal pre-winter levels.

Strychnine.—Specially good call for hydrochloride. Other salts in routine request.

Terpin Hydrate. — Somewhat more than usual end of year call. Very firm market. Little competition.

Theobromine.—Hard to get at any price.

Reilly Tar to Produce Acridine Commercially

Development of a practical method for producing acridine in substantial quantity out of coaltar has been announced by the Reilly Tar & Chemical Corporation, Indianapolis, Ind. Until now, the commercial preparation of acridine, which is the essential molecule in the production of the quinine substitute, atebrin, has been confined to Germany. The production of a so-called synthetic quinine in the United States has assumed vital importance in recent months, it was pointed out by William Higburg, general manager of the Reilly Tar & Chemical, because of war conditions curtailing the importation of quinine made from the bark of the cinchona tree.

Loft Merger Plan With Pepsi-Colo Off

Plan for a merger of Loft, Inc., into Pepsi-Cola Company has been dropped because of tax questions. W. S. Mack, jr., president of Pepsi-Cola, has issued the following statement to stockholders:—

At a meeting of directors the final results of a series of conferences with officials of the Bureau of Internal Revenue just concluded in Washington were discussed. The bureau has taken the position that it will not enter into closing agreements to the effect that the proposed merger of Loft, Inc., into Pepsi-Cola Company, as submitted to stockholders on November 2, 1940, is a tax-free reorganization, notwithstanding the fact that counsel and tax experts employed by your company were and still are of the opinion that under the present tax law the proposed merger should be held to be tax free. Under the circumstances, therefore, directors do not feel justified in subjecting the stockholders to the risk of possible tax claims growing out of such merger.

Fish Liver Bids To Be Opened Feb. 5

The Fishing Vessel Owners' Association, Seattle, Wash., on February 5 will open bids for the entire production of halibut livers, sable fish livers, and ling cod livers of approximately 200 fishing vessels operating out of the ports of Washington, British Columbia, and Alaska.

Bidders will be given the option of bidding on the production of these vessels for any one, two or all of the following periods:—Season of 1941; seasons of 1941 and 1942; and seasons of 1941, 1942 and 1943.

Soda Silicate Data Presented

The grades of silicate of soda and other silicated alkalies manufactured by the Standard Silicate division of the Diamond Alkali Company are reviewed in a new booklet. The work also presents their chemical properties, major uses, and general information to acquaint users with the materials. Several new folders treating the various silicates individually have also been released. Copies of the new literatrure may be obtained by addressing the Standard Silicate division of the Diamond Alkali Company 535 Smithfield street, Pittsburgh, Pa., mentioning the REPORTER.

Commerce Bureau Offers Business Statistics Book

OPD Washington Bureau
December 11, 1940

The Bureau of Foreign and Domestic Commerce has published a source book of current business statistics covering states, cities, counties and miscellaneous regions and districts in the United States. The book, "Sources of Regional and Local Current Business Statistics," contains practical data for use in the planning of sales programs and checking the effects of existing programs, and is valuable as a guide in determining the desirability of opening or closing branches in specified locations. It may be purchased for thirty cents by writing to the Superintendent of Documents, Washington, D. C.

International Catalytic Oil Processes Corporation, dealer in patents relating to the treatment of carbonaceous materials, has filed a statement with the Secretary of State to enable it to do business in New York State.

I.C.C. Jurisdiction Over Truck Loaders Recommended

OPD Washington Bureau
December 9, 1940

Loaders and helpers of motor vehicles should come under the jurisdiction of the Interstate Commerce Commission in addition to drivers, an examiner has recommended to the commission.

In a report on ex parte MC-2 and ex parte MC-3, Examiner R. W. Snow pointed out that no employees other than drivers, loaders and helpers affect safety of operation of common, contract and private carriers, and therefore they should be the only classes of employees subject to the commission's jurisdiction under section 204 (a) of the interstate commerce act. That section empowers the I.C.C. to prescribe qualifications and maximum hours for motor vehicle employees.

The report did not advise that an order be issued yet, but recommended that the proceeding again be assigned to an examiner for a hearing to determine regulations for loaders and helpers. The commission has already prescribed driver regulations.

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Powder and Fine Granular

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BASIC MATERIALS
for Drugs and Cosmetics

One of the many essential services to the drug and cosmetic industries rendered by the House of McKesson for more than a century is the importing and distributing of basic drug materials from all parts of the world. Improved, perfected and extended, this important service to the industry is now used by scores of manufacturers to help produce drug and cosmetic preparations which satisfy the exacting needs of millions of consumers. Inquiries welcomed.

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Soda Benzoate

Brown Company
Chloroform

Hawaiian Pineapple Co.
Citric Acid

Zinsser & Co.
Gallic Acid
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Stauffer Chemical Co.
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Tartaric Acid

British Cod Liver Oil Producers
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NEW CROP SELECT QUALITY

The supply of new crop Tragacanth Gum is ample to cover all normal requirements. Prices are the lowest that they have been for several years.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Drug Law Label Warnings Analyzed

—Continued from page 5

"Important:—Do not take directly before or after meals."

Note:—There will be no objection to an explanation added to the above statement indicating that mineral oil may interfere with the absorption of pro-vitamin A, carotene, and other substances.

2. Preparations containing heavy mineral oil for intestinal lubrication by oral administration:—(Light mineral oil is not recognized as an intestinal lubricant.)

"Caution:—Do not take directly before or after meals."

Sodium Perborate

VI. Sodium perborate intended for local use in the mouth and throat:—

"Warning:—This preparation may cause irritation and inflammation of the gums, tongue and mucous membranes of the mouth. It should be discontinued at the first sign of irritation or soreness. In case of doubt, consult your physician or dentist."

3. Preparations containing sodium perborate as an active ingredient and intended for local use in the mouth and throat:

"Caution:—If its use causes irritation or soreness in the mouth, discontinue use."

Nose Drops and Sprays

VII. Nose drops, inhalants and sprays:—

1. Those that contain oil as a vehicle or base:—

"Caution:—Frequent or excessive use of this preparation may cause injury to the lungs. Do not use at all in infants and younger children except on competent advice."

2. Those that contain ephedrine, epinephrine, amphetamine (benzedrine), propadrine, neosynephrin and other vaso-constricting drugs of similar activity:—

"Caution:—Frequent or continued use may cause nervousness, restlessness or sleeplessness. Individuals suffering from high blood pressure, heart disease, diabetes, or thyroid trouble should not use this prepartion except on competent advice."

Note:—The above warning may also be appropriate for the same ingredients intended for internal administration. However, amphetamine (benzedrine) indiscriminately distributed and intended for its systemic effect is dangerous.

4. Nose drops, inhalants and sprays:—

A. Those that contain oil as a vehicle or base:—

"Caution:—Not to be used for infants and young children."

B. Those that contain ephedrine, epinephrine, amphetamine (benzedrine), propadrine, neosynephrin and other vaso-constricting drugs of similar activity:—

"Caution:—If frequent or continued use causes nervousness, restlessness or sleeplessness, discontinue use. Individuals suffering from high blood pressure, heart disease, diabetes, or thyroid trouble should not use this preparation without medical advice."

Urethral Drugs

VIII. Resins, oleoresins, and volatile oils intended for their effect upon the urinary tract:

"Warning:—If disturbance of the stomach or bowels, or skin rash is noticed, discontinue use."

(Such preparations should be dispensed only on physicians' prescriptions.)

Atropine and the Like

IX. Atropine, hyoscyamine, scopolamine and pharmacologically related drugs:—

"Caution:—Frequent or continued use of this preparation should be avoided. Use cautiously if dryness of the throat occurs; discontinue if rapid pulse or blurring of vision appears.

"Warning:—This preparation should not be taken by elderly people except on competent advice."

5. Atropine, hyoscyamine, scopolamine and pharmacologically related drugs:—

"Caution:—Frequent or continued use of this preparation without medical advice should be avoided."

Iodine and Iodides

X. Iodine or iodides:—

"Warning:—Do not use in cases of lung disease, chronic cough or goiter (thyroid disease) except upon the advice of a physician.

"If a skin rash appears, discontinue use."

6. Iodine or iodides (Internal Use):—

"Caution:—Do not use in case of lung diseases or chronic cough, goiter or thyroid disease, except upon the advice of a physician."

"If a skin rash appears, discontinue use."

(To be Continued)

'Bromosolv' Red Offered For Use in Lipsticks

A new brilliant red color, "Bromosolv," for use in lipsticks is described in the November issue of the *Givuadanian*, monthly house organ of Givaudan-Delawanna, Inc. The edition also carries an article discussing soap in colonial times. A copy of the organ may be obtained by communicating with Givaudan-Delawanna, Inc., 330 West 42nd street, New York, mentioning the REPORTER.

Nehi Corporation, carbonated beverages, Atlanta, has elected C. C. Colbert president and general manager, succeeding H. R. Mott, who was made chairman of the board.

Gum Tragacanth---Gum Arabic

Importers

THURSTON & BRAIDICH, 286 Spring St., NEW YORK

WHOLE AND POWDERED **GUMS** KARAYA LOCUST BEAN TRAGACANTH ARABIC

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PASSAIC, N. J.

Botanical Drugs, Spices, and Gums

Demand for Botanicals Drops to Seasonal Volume As Inventory Period Approaches—Lack of Sustained Trading Fails to Bring Price Weakness—Values Firm

New developments of importance were lacking in the market for botanical drugs last week. Conditions that suggest gradual elimination of foreign botanicals from spot stocks were still operative and hence the price structure as a whole was exceptionally firm. Basically, the market was strong and seemed likely so to remain.

Many items have reached a position that makes a lack of heavy demand almost welcome to the local botanical merchants. Being unable to replace goods of European origin, those with spot stocks of such entities would rather have the supply rather than further heavy orders that would bring exhaustion of stocks just that much closer.

Demand was none too active throughout the period under review. In ordinary times, lack of important trading would be a seasonal condition since with inventory just ahead, buyers usually reduce buying as much as possible in the month of December. The usual practice in this matter seemed to prevail last week and volume was down to a basis best described as jobbing. Of course, lack of important demand found no reflection in the price structure. Values remained in very firm position and the basic tendency was still toward higher price levels.

Balsams

Copaiba.—Steady to firm. Demand about normal.

Fir.—Undertones steady. Demand fair. Prices steady.

Barks

Angostura.—Small stocks. Small demand. Very firm prices.

Buckthorn.—Almost extinct and purely nominal at 80c. per pound.

Elm.—Excellent movement. Entirely normal market. Prices firm.

Fringetree.—Firm but not very active. Steady prices.

Soap.—Good call. Prompt requirements being fully met. Prices firm.

Beans

Calabar.—Firm. Not much demand. Steady call for jobbing lots.

Vanilla.—Sellers highly reserved. Virtually no competition. Impossibility of normal replacement of spot stocks keeps values tending upward. Buyers' takings conservative.

Berries

Cubeb.—Very steady. Not much activity. Fair stocks in reserve.

Prickly Ash.—No shortage suggested. Fair stocks. Not too much call.

Flowers

Arnica.—Nominal at $2 per pound and hard to get at any price.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	762	2,851
Belladonna	105	394
Caraway	1,883	551
Cardamom (cases)	...	2,316
Celery	...	5,114
Coriander	2,889	18,864
Cumin	1,014	4,355
Digitalis leaves (cases)	1	1
Dill	86	1,339
Fennel	829	1,264
Henbane leaves (bales)	277	285
Mustard	2,800	6,073
Poppy	550	3,452
Sage leaves (bales)	...	1,307
Sesame	6,654	12,476
Stramonium	121	8,049
Thyme	597	4,070

Price Changes

Advanced

Anise, Mexican, 2¼c. per lb.
Star, 6c. per lb.
Buckthorn bark, 5c. per lb.
Burdock root, 5c. per lb.
Calendula flowers, 5c. per lb.
Canary seed, Morocco, ½c. per lb.
Celery seed, French, 5c. per lb.
Clove, Zanzibar, ½c. per lb.
Ginger root, African, ½c. per lb.
Laurel leaves, Greek, 14c. per lb.
Linden flowers, with leaves, 3c. per lb.
without leaves, 2c. per lb.
Mustard seed, Danish yellow, 1c. per lb.
Paprika, Bulgarian, ½c. per lb.
Spanish, extra fancy, 2c. per lb.
medium, 2c. per lb.
Algerian, 1c. per lb.
Pimento, 1¼c. per lb.
Thyme, French, 12c. per lb.

Reduced

Cassia, Saigon, 10-6-2, ¼c. per lb.
Dill seed, recleaned, ¾c. per lb.
Helonias root, 2c. per lb.
Mastic gum, 50c. per lb.
Mustard seed, Montana yellow, ½c. per lb.
Sage, Dalmatian, ground, 10c. per lb.
Saffron flowers, Spanish, $2 per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
227.9	227.9	218.0	178.0

Market news that may have developed after this report was sent to press will be found on page 4.

Calendula.—Strong, scarce, and higher at 75c. to 80c. per pound.

Lavender.—Very firm. Stocks seemingly supplying current needs. Tendency to confine sales to established customers noted. Prices subject to confirmation.

Linden.—Quoted 45c. to 50c. per pound for flowers with leaves. Without leaves, 50c. to 55c. Stocks moderate enough to make prices subject to confirmation.

Saffron.—Spanish flowers easier. Quoted $29 to $30 per pound. Replacement not easily accomplished.

Gums

Arabic.—Turn of events in Near East war holds hope for continued exports from primary market. Transport long, slow, and uncertain. Spot market firmer.

Benzoin.—Slightly more competition noted. No price change.

Guaiac.—Firm but not especially active. Stocks fair. Replacement not difficult.

Mastic.—Lower at $1.50 per pound due to recent substantial arrival. Conditions favor buyers.

Sandarac.—Prices well maintained.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Amer. Spice Trade Ass'n, May 12-14 (Tentative), New York.

CHECK THIS LIST
OF HOPKINS' PROFESSIONALLY MILLED, ANALYZED, HIGH STANDARD
CRUDE DRUGS

The earth contributes and J. L. Hopkins & Company distributes every foreign and domestic botanical drug for which there is any commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow:

✓ ACONITE (250% Active)
✓ ALOES
✓ ALTHEA ROOT
✓ ANISEED
✓ ARECA NUTS
✓ ASAFOETIDA GUM
✓ BENZOIN GUM
✓ BUCHU LEAVES
✓ CALAMUS ROOT
✓ CUDBEAR
✓ CINCHONA BARK
✓ DAMIANA Select
✓ DIGITALIS (110% Active)
✓ DOGGRASS CUT
✓ ERGOT (140% Active)
✓ EUPHORBIA PIL.
✓ FENNEL SEED
✓ GALANGAL ROOT
✓ GINGER
✓ GUAIAC GUM Glassy
✓ HAWTHORNE BERRIES
✓ HOREHOUND
✓ IPECAC ROOT
✓ IRISH MOSS
✓ KOLA NUTS
✓ MYRRH GUM
✓ OLIBANUM GUM
✓ ORANGE PEEL
✓ ORRIS ROOT
✓ PAPAIN
✓ PEPPERMINT
✓ PSYLLIUM SEED
✓ QUASSIA
✓ QUINCE SEED
✓ RHUBARB ROOT
✓ SANDALWOOD
✓ SARSAPARILLA
✓ SENEGA ROOT
✓ SENNA LEAVES
✓ SLOE BERRIES
✓ STRAMONIUM
✓ UVA URSI
✓ WILD CHERRY BARK
✓ PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

J. L. HOPKINS & CO.
IMPORTERS, MILLERS AND MANUFACTURERS OF PROFESSIONALLY MILLED, ANALYZED CRUDE DRUGS
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Use KELTEX
a Sodium Alginate product
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And you will get
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No expensive preparation—KELTEX is ready to use when dissolved
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Other USES for Kelco products

Kelco ALGINATE products are used wherever a hydrophilic colloid or gum-like material is required.

THERE is a Kelco Sodium Alginate Product especially developed for each of the following uses:
As suspending, viscosity and sizing agents in Cold Water Paints, in Cosmetics, in Leather Dressings, in Latex Mixtures, in Boiler Compounds, and many other industrial uses.

KELCO SODIUM ALGINATE PRODUCTS
KELCO Company
75 E. Wacker Drive CHICAGO — 31 Nassau St. NEW YORK — 530 West 6th St. LOS ANGELES

Stocks moderate. Replacement uncertain. Moderate call.

Herbs and Leaves

Belladonna.—Could scarcely be stronger. Small stocks in strong hands. Sellers highly reserved.

Henna.—Strong. Transport from source slow and uncertain. Not likely to be entirely cut off soon.

Digitalis.—Domestic production filling domestic needs.

Laurel.—Sharply higher at 38c. to 39c. per pound for the small quantity of Greek available.

Sage.—Prices strong. Inclined toward nominal position. Ground Dalmatian has been held as high as $1.50 per pound. Now quoted, $1.40 to $1.45; possibly, $1.35. No Greek available. Limited quantity Greek quoted 60c. to 65c. per pound.

Tarragon.—Hard to get. Nominal price $1.10 per pound, subject to confirmation.

Thyme.—French in sensational rise to 62c. to 64c. per pound. Very scarce.

Miscellaneous

Areca Nuts.—Demand conventional. Firm undertones. Fair stock.

Colocynth Pulp.—Firm and moving fairly well at full prices.

Grains of Paradise.—Replacement difficult but not impossible. Prices steady.

Guarana.—Demand irregular. Moderate volume. Steady prices.

Manna.—All but unobtainable. Strictly nominal market. All quotations subject to confirmation.

Roots

Burdock.—Scarce and about nominal at 35c. to 40c. per pound, subject to confirmation.

Helonias.—Easier at 53c. to 55c. per pound. In fair reserve.

Rhubarb.—Slightly steadier. No further price drop. Reasonable demand.

Seeds

Anise.—Mexican higher, spot and primary market. Spot 19¼c to 19¾c. per pound. Star up sharply to 23c. to 24c.

Canary.—Morroccan seed advanced to 4c. to 4½c. per pound.

Celery.—French seed about to disappear. Higher price at 55c. to 58c. per pound nominal and not firm.

Dill.—Recleaned shaded to 10¾c. to 11¼c. per pound.

Mustard.—Danish yellow up to 24c. to 25c. per pound. No Dutch seed available. Montana yellow eased back to 13c. to 13½c. per pound.

Poppy.—Turkish seed advanced to 27c. to 27½c. per pound.

Rape.—Seed from Argentina and India alone available.

Spices

Cassia.—Saigon 10-6-2 shaded to 19¼c. to 19¾c. per pound. No other price change.

Clove.—Zanzibar up a small fraction to 15⅝c. to 16c. per pound.

Ginger.—African higher at 7c. to 7½c. per pound. Jamaica exceptionally firm.

Paprika.—Bulgarian higher at 29½c. to 30c. per pound. Extra fancy Spanish up to 40c. to 41c.; medium, 36c. to 37c. Algerian, advanced to 35c. to 36c.

Pepper.—Black Tellicherry a fraction higher at 4.10c. to 4.40c. per pound. No other price changes. Very steady market. Sweden buying here.

Trading in black pepper futures on the New York Produce Exchange from December 7 to December 13, inclusive, comprised 102 contracts, a total of 3,427,200 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	4.16	4.05	4.13@4.15
March	4.23	4.10	4.21@4.23
May	4.30	4.18	4.28@4.30
July	4.37	4.25	4.36@4.38
September	4.45	4.31	4.44@4.45
October	4.48	4.41	4.47@4.49
December	4.41	4.00	4.09@4.12

Pimento.—Advanced to 21c. to 21½c. per pound. Export inquiries in market. Strong at source.

Magnus, Mabee & Reynard, Inc., essential oils and aromatic chemicals, this city, will entertain the trade press at luncheon at the Wool Club, December 16. Announcement of plans for the company's annual sales conference and convention is expected to be made at that time.

Penick & Co. Acquires New Chicago Quarters

S. B. Penick & Co., botanical drug merchant and manufacturer, this city, has acquired new quarters for the company's Chicago branch. A brick building with approximately 50,000 square feet of floor space has been modernized in accordance with the best practice in laying out a plant with a view to achieving efficiency of the highest sort.

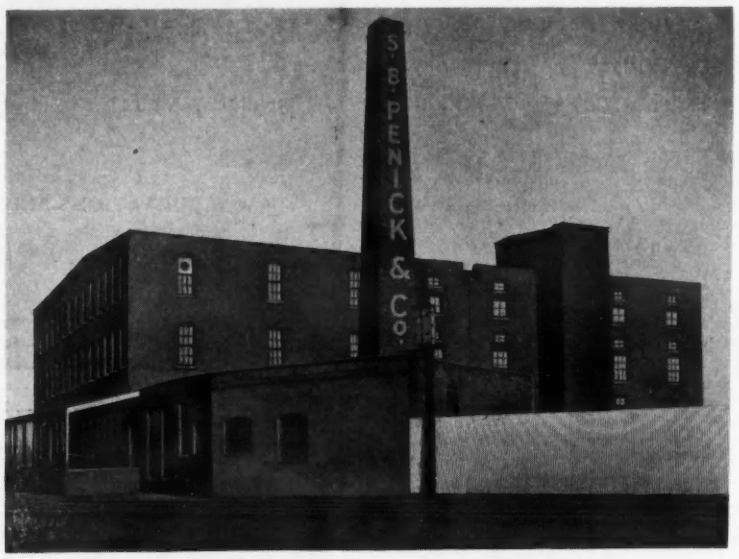
Harold Meyer

The building will house the offices, warehouse, and processing activities and complete protection against fire has been attempted through the installation of the latest development in automatic sprinkler systems. Expedition of merchandise into the warehouses and out to manufacturing consumers is assured by complete railroad siding facilities.

Harold Meyer, who began his association with the Penick organization in 1926 and eventually became a New York City salesman, is in charge of the branch offices and warehouse in Chicago. Mr. Meyer served in New York until 1934, at which time he was moved to Chicago to open a branch of the parent company. He is married and has two children.

S. B. Penick & Co., in addition to its Chicago branch, has offices and plants in Asheville, N. C.; South Elgin, Ill.; Jersey City, N. J.; Lyndhurst, N. J.; and Seattle, Wash. Executive offices of the organization are located in New York.

The Penick company, formed in 1914, handles a complete line of botanicals, both of domestic and imported origin, and maintains plants for the milling and processing of such materials.



Cinchona Products Inst. Misrepresentation Alleged

—Continued from page 3

leading, and that, while quinine possesses therapeutic value in the treatment of malaria, it is not effective in all cases and is not in all cases safe for use, as it may cause in some cases toxic conditions manifested by skin rashes, ringing in the ears, and dizziness.

According to the complaint, the use of quinine by women in the latter stages of pregnancy may precipitate miscarriage. Quinine is not, the complaint continues, the only treatment for malaria which is inexpensive and dependable, there being other drugs and medicinal preparations which constitute dependable treatments for malaria and which are inexpensive.

The respondent further represents, the complaint continues, through use of the word "institute" in its corporate name and by other representations, that it is a non-profit organization whose purpose is the promotion of learning and research. In truth, the complaint alleges, the respondent is a commercial enterprise whose sole purpose is the promotion of the sale of its principal's product. The complaint grants the respondent 20 days for filing answer.

Chicago Drug Club Plans Christmas Party Dec. 19

Chicago, Dec. 11, 1940

The annual Christmas party of the Chicago Drug and Chemical Association will be held December 19 at the Morrison hotel. An elaborate program of entertainment has been planned and a capacity audience is anticipated.

J.L. Hopkins Gets Dees To Head Laboratory Production

Dr. W. E. Dees has been appointed laboratory production manager for J. L. Hopkins & Co., crude drug importer and miller, this city. Mr. Dees was associated with Parke, Davis & Co. and F. A. Thompson & Co., both of Detroit, Mich., for a number of years and brings to his new position substantial experience in laboratory processes and technique.

Classic Perfumes, Inc., has been organized in this city for the manufacture of perfumes and cosmetics. Incorporators are Helen Collins, Leo Taub and Hilda Fox.

Trinidad Lime Oil Marketing Cooperative Asked

Compulsory cooperative marketing of lime oil in a manner beneficial to lime growers and factory owners and the purpose of maintaining a high quality of oil for the American market at a high-priced standard is being sought by the Trinidad and Tobago Lime Association. The organization has requested the government of Trinidad to introduce legislation to that effect in the official law-making body.

A board of six members, two nominated by the association, two by the lime-oil producers, and two by the government would be set up by the terms of the proposed legislation. The board's powers would include the right to license, at its discretion, the operation of all lime-oil factories, and to compel all producers to market their production through a licensed factory. The board would also have the power to fix a minimum price on each crop of limes.

Toilet Preparations Exports In August Tabulated

The value of United States exports of toilet preparations during October, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$118,865
Other dentifrices	9,356
Talcum powder in packages	35,964
Face and compact powder	50,561
Cold creams	13,784
Vanishing creams	6,208
Other creams, lotions and balms	30,632
Rouges	18,191
Lipsticks	66,406
Other cosmetics	14,570
Manicuring preparations	33,456
Depilatories and deodorants	6,459
Hair preparations	41,691
Perfumery and toilet waters	16,967
Other toilet preparations	37,651

Dresel Gives Red Cross Magna Carta Copy

The war relief committee of the American Red Cross for Aid to Great Britain has received a copy of the Magna Carta published in London in 1814. The donor, H. Dresel, of Felton Chemical Company, Brooklyn, N. Y., informs that this printing of the Magna Carta is one of the earliest extant and is of considerable interest to collectors. Mr. Dresel's gift was auctioned off at the Hotel Plaza December 9.

Antimalarial Research Being Pushed by U.S.

OPD Washington Bureau
December 12, 1940

To facilitate research regarding new sulfanilamide products and new synthetic drugs with antimalarial properties to make the United States independent of the Dutch East Indies quinine supply, and in order to extend work relating to opium and morphine derivatives, and various studies relating to aging and nutrition, a new division has been set up in the National Institute of Health of the U. S. Public Health Service, Dr. L. R. Thompson, director of the institute, announced today. The new unit will be known as the Division of Chemotherapy and will be headed by W. H. Sebrell. National defense demands relating to synthetic drugs which may be needed to supplement present supplies of opiates and quinine have prompted this measure.

PEPPERMINT

RECTIFIED or TWICE RECTIFIED

For years, Peppermint Oil has been one of our outstanding specialties and by virtue of this fact, it has been our privilege to supply a substantial portion of the Oil Peppermint sold in this country. Today, we are in a position to offer the choicest grade of natural oils, rectified under the most exacting standards, at prices which barely reflect either their true quality or actual market conditions. Tomorrow, that situation might be altered. We urge, therefore, that all users of Peppermint Oil consult us now regarding their future requirements of these truly fine Oils.

FRITZSCHE BROTHERS, Inc.

PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

BRANCH STOCKS

BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.

FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Seasonal Drop in Demand — Recession About Normal — Oils and Aromatics Display Price Strength — Competition Inconspicuous — Stocks of Many Items Low

Demand for most aromatic chemicals and essential oils showed a decrease that was entirely seasonal in character. The decrease in trading was no greater than that normal to the market at the end of the year, and it was totally without adverse effect on prices as a whole.

Crude and refined amber oil sold at higher levels as stocks showed decrease and competition went into hiding. Apricot kernel oil was advanced again to compensate for the higher production cost that has resulted from makers' inability to secure normal imports of raw material. Refined birchtar was advanced under larger demand. Replacement is especially slow and difficult.

Peppermint continued to display the strength that in the recent past brought a higher level of prices into effect. The advance last week was clear evidence of the fact that the conservative stocks in the primary market were in strong hands. Spearmint was also higher for reasons quite similar to those prevalent in peppermint oil.

Price Changes

Advanced

Amber, crude, 4c. per lb.
rectified, 10c. per lb.
Apricot kernel, 3c. per lb.
Birchtar, refined, 10c. per lb.
Peppermint, natural, 15c. per lb.
redistilled, 15c. per lb.
Rue, $1.50 per lb.
Spearmint, 5c. per lb.

Reduced

None.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
162.0	161.5	162.0	92.4

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—All kinds firm and reasonably active. Stocks conservative.

Amber.—Higher. Crude, 27c. to 28c. per pound. Refined, 90c. to 95c. Replacement difficult. Stocks moderate.

Amyris. — Sufficient stock to cope with limited needs.

Anise.—Steadier at recent decline. Still under competitive influences. Demand routine.

Apricot.—Higher at 43c. to 44c. per pound, due to high production cost.

Bay.—Routine request maintained in fair volume. Steady prices.

Bergamot.—Artificial moving excellently. Little natural oil here.

Birchtar.—Rectified up to $1 to $1.10 per pound. Strong because of light supplies and difficulty of getting replacements from Europe.

Bois de Rose.—Fairly active. Firm prices. Moderate reserves.

Cajeput.—Not very active. Still very firm.

Camphor.—Routine activity at firmly held prices.

Cananga. — Fair demand for small lots. Moderate stocks.

Capsicum (Oleoresin).—Business normal. Firm prices. Little competition.

Caraway. — Practically extinct on spot. Nominal market.

Cardamom.—Firming steadily. Limited demand. Firm undertones.

Cassia.—Good call for routine requirements. Firm prices.

Cedarleaf.—Some gain in sales. Demand for prompt needs.

Cedarwood. — Offerings ample to cover all needs. Prices firm.

Celery.—Very strong. Not very active. Limited supplies.

Citronella.—Undertones firm. Fair but not expansive demand.

Clove.—Very good demand. Volume seasonal. Little surplus.

Coriander. — Still possible to get goods via Petsamo, USSR.

Croton. — Demand hand to mouth. Volume small, Prices steady.

Cubeb. — Ample supplies. Limited spot demand. Steady undertones.

Cumin.—Larger demand would strengthen prices. Current call light.

Cypress.—Limited demand fails to weaken strongly held prices.

Dill.—Activity normal. Undertones very firm. Little competition.

Erigeron. — Moderate stocks apparently sufficient for year's needs.

Eucalyptus. — Steady demand for routine quantities. Firm prices. Moderate stocks.

Fennel.—In limited supply and not replaceable in normal quantities.

Geranium.—Strong market. Normal replacements impossible. Demand light. Small stocks.

Grapefruit.—Normal demand. Firm undertones govern prices.

Grapeseed.—Large stocks imported oil available. Price low compared with cost of domestic item.

Ginger.—Limited demand. Down to jobbing size. Steady quotations.

Juniper.—Virtually unobtainable save in very small lots.

Juniper Tar. — Imports from Spain controlled by war conditions.

Lavender.—Impossible to get goods direct from France. Doubted that indirect transport would be successful. Sellers highly reserved.

Lemon.—Normal demand. Domestic oil meeting situation created by elimination of imports from Italy. Prices highly attractive.

Lemongrass.—Spot demand hand to mouth. Some interest in futures.

Lime.—Exports from Trinidad 47,400 pounds distilled oil in 1939. United States received 39,876 pounds. Firm spot prices. Light call.

Mace.—Sustained, jobbing demand supports prices.

Nutmeg. — Jobbing demand well maintained. Quotations steady.

Orange.—Activity normal for current time of year. Values well maintained.

Palmarosa.—Very firm in primary market. Little spot competition.

Pennyroyal.—Only quick needs covered. Inventories being kept low.

Peppermint.—Higher. Natural, $2.85 to $3.10 per pound. Redistilled, $3.10 to $3.35. Moderate stocks held in strong hands.

Rue.—Higher at $4.50 to $5 per pound and scarce.

Spearmint.—Selling at $2.30 to $2.40 per pound. Gaining strength. Stocks in firm hands. Steady demand modified by seasonal influences.

Wormseed.—Quiet but steady. In good supply.

Wormwood.—Moving poorly at fairly steady prices.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Essential Oil Ass'n, Jan. 9, New York.

S-O-FRAS No. 3
An improved substitute for Oil Sassafras Artificial.
1. More Characteristic of the true Sassafras.
2. More readily miscible.
3. More lasting than Oil Sassafras Artificial.
Testing Sample Available
MAGNUS, MABEE & REYNARD, INC.
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. Wacker Drive
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto
AMMER ECONOMY POINTER

MYSORE GOVERNMENT
SANDALWOOD OIL
Distilled at Linden, N. J. from selected Mysore Heartwood by Sole Distillers and Selling Agents
W. J. BUSH & CO.
INCORPORATED
ESSENTIAL OILS
NATURAL FLORAL PRODUCTS
AROMATIC CHEMICALS

OIL SANDALWOOD
EAST INDIAN
Strictly U. S. P.
Our own distillation
For prompt delivery or on contract
D&O
ESTABLISHED IN 1796
DODGE & OLCOTT COMPANY
180 VARICK STREET NEW YORK, N. Y.
Boston Chicago Philadelphia St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

Aromatic Chemicals

Alcohols, Higher—Strong and well stabilized.

Alcohols, Lower.—Firm and very steady.

Amyl Phenylacetate. — Demand slumps seasonally. No price change.

Amyl Salicylate.—Narrow market. Drop in demand about normal.

Anethol.—Quiet but very steady. Raw material declines recently.

Anisic Aldehyde.—Interest restricted to jobbing lots. Steady.

Avolin. — Moving normally under good request from perfumers.

Benzaldehyde.—Slight slump in spot demand. New year trade good.

Benzophenone.—Sales on jobbing basis. Prices steady.

Benzyl Acetate.—Normal activity at steady quotations.

Benzyl Alcohol.—Subject to small demand in keeping with season.

Benzyl Benzoate.—Less demand. No less steady prices.

Benzyl Cinnamate.—Sales irregular. Values show stability.

Benzyl Formate.—Fair inquiry for January deliveries. Firm market.

Benzyl Isoeugenol.—Demand still light. Prices hold steady.

Benzyl Propionate.—Limited inquiry and demand. Unlimited price stability.

Benzyl Salicylate.—Sales confined to small, prompt requirements.

Benzylidenacetone.—Market entirely normal and very steady.

Bornyl Acetate.—Hard to get. Practically off the market.

Carvol. — Strengthening continued. Little competition.

Cinnamic Alcohol. — Sluggish demand fails to weaken prices.

Cinnamic Aldehyde. — Firmness maintained. Demand slower.

Citral. — Narrow market. Orders small. Values well maintained.

Citronellal.—Steady and substantially stable in price and demand.

Citronellol. — Fair activity in line with season trend of demand.

Citronellyl Acetate.—Demand good, considering period of year.

Citronellyl Butyrate. — Demand irregular and light.

Coumarin. — Well stabilized and moving in normal volume.

Diethyl Phthalate.—Inquiry involves jobbing lots only. Prices hold.

Dimethyl Hydroquinone. — Surprisingly good request. Prices firmer.

Diphenyl Methane. — Well stabilized market. Not much demand.

Diphenyl Oxide.—Sellers maintaining steady market. Stocks good.

Epenone.—Strictly jobbing demand. Prices about steady.

Ethyl Cinnamate.—Reserves ample. Prices steady. Good jobbing call.

Ethyl Phenylacetate.—Slow. Trade jobbing. Decrease seasonal.

Ethyl Vanillin.—Price stability expected to continue. Trade fair.

Eucalyptol.—Very steady. Normal demand. Reserves adequate.

Eugenol.—Deliveries prompt. Reserved sufficient. Price steady.

Geraniol. — No change in steady basic position. Trade normal.

Geranyl Acetate.—Dull but steady.

Geranyl Formate.—Demand more than jobbing. Above seasonal average.

Geraniol Propionate. — Quiet but steady. Prices fully firm.

Heliotropine. — Slow market. Business hand-to-mouth. Firm prices.

Hydroxycitronellal. — All qualities firm. Demand light but seasonal.

Isobornyl Acetate.—Quiet but very firm. Stocks conservative.

Isobutyl Acetate. — Moderate reserves held in strong hands.

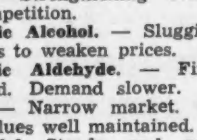
Isoeugenol.—Reserves ample. Values show substantial stability.

Isosafrol. — Stocks none too plentiful. In very firm hands.

Linalool.—Movement expected to gain after turn of year. Prices showing more firmness.

Linalyl Acetate.—Sales for January delivery excellent. Undertones gain strength.

KNOCK-OUT



DISAGREEABLE ODORS

and improve a large variety of technical solvents with

DEODOROMES

If you, as so many others have done, will acquaint us with your problem, we are sure that we can effectively and economically improve the odor of your product.

FELTON

CHEMICAL COMPANY, INC.

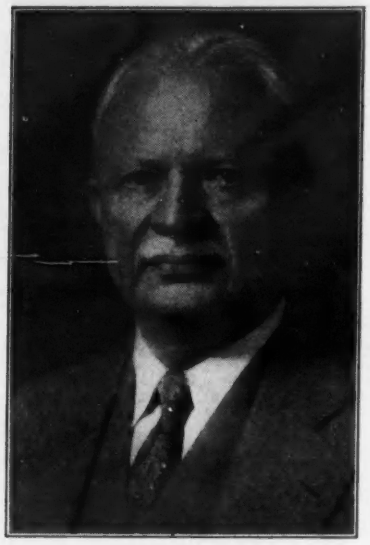
603 Johnson Ave., BROOKLYN, N.Y.

Manufacturers of Aromatic Chemicals, Natural Derivatives, Perfume Oils, Artificial Flower and Flavor Oils

STOCKS IN PRINCIPAL CITIES

Fritzsche Bros. Hold Annual Sales Conference

The annual sales conferences of Fritzsche Brothers, essential oils and aromatics, this city, was held throughout past week in the Hotel New Yorker. Twenty-two representatives of the company attended the morning and afternoon sessions; eighteen of them came from out-of-town branches of the organization. Prior to this year, the meetings had been held in the company's offices in the Port of New York Authority building but was transfered to the hotel this year in order not to interfere with the normal activities of the headquarters office.



Blank & Stoller

F. L. Leonhardt

F. L. Leonhardt, president of the company, welcomed those attending the convention and was followed by John Montgomery, secretary who outlined the scope and importance of the problems to be considered during the gathering. During the week, the several department heads discussed conditions that had arisen during the year and talked over those likely to arise during the year ahead because of the general situation stemming from the war and of special effect on many raw materials supplied by Fritzsche Brothers.

A highlight of the meeting came on Tuesday when Dr. Ernest Guenther, chief research chemist of the company showed his latest motion pictures and gave a running, rapid fire account of the pictorial matter disclosed. These pictures, taken in South America and in the United States, were shown in the auditorium of the Port of New York Authority building.

A bus trip to the plant at Clifton, N. J., on Saturday morning gave the conventioneers an opportunity to inspect the equipment and facilities for turning out many of the products they had been selling during the past year. Saturday night came the annual dinner-dance which was attended by some two hundred and seventy employees and their families.

DuPont Making Indole

Domestic production of indole, an important constituent of perfumes, was announced by E. I. du Pont de Nemours & Co. Made from coal and nitrogen from the air, the material is said to be fully equivalent in purity, strength and odor to previously available supplies, which were imported from Central Europe.

ISO-BUTYL QUINOLINE
LINALYL ISO-BUTYRATE
HYDRAZINE SULPHATE
HYDRAZINE HYDRATE
PHENYL SEMI-CARBAZIDE

FAIRMOUNT CHEMICAL CO., INC.

Manufacturers of Fine Chemicals

600 Ferry Street Newark, N. J.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-fifty-sixth Instalment

Petroleum

Dispersing Agents Used in Making Emulsified Compositions of Petroleum Oils

(Continued from December 9 issue)

Diglycol oleate
Diglycol palmitate
Diglycol stearate
Dihydroxystearate
Dimethylcyclohexyldimethylcyclohexanol sulphonate
Dioxan
Dodecylchloroacetic ester reacted with sodium thiosulphate
Dodecylguanidin hydrochloride
Dodecylpiperidin, normal
Emulsifier B 585
Emulsifier P&S
Emulsifier 157
Emulsional
Emulsol
Emulsol 10
Emulsone
Emulsone B
Eritan
Ethanolamine
Ethanolamine oleate
Ethanolamine palmitate
Ethyl acetylricinoleate
Ethyl ester of acetylated polymerized ricinoleic acid
Ethyl ester of polymerized ricinoleic acid
Ethyl ester of ricinoleic acid
Ethyl ricinoleate
Ethylnaphthalenesulphonic acid
Factolac
Fatty acid ethanolamides
Fatty acid ethanolamides glycolated with ethylene oxide
Fatty alcohols
Fatty alcohols sulphonated
Fatty amides of aromatic aminosulphonic acids
Fijiolene
Foaming agent NC
Gamma-4-secondarybutylcyclohexylbutyric acid
Gamma-4-N-octylcyclohexylbutyric acid
Gardinol
Glue
Glutoline
Glycerides
Glycerin esters
Glycerol beta-acetylether
Glyceryl monolinoleate
Glyceryl monomyristate
Glyceryl monoricinoleate
Glyceryl monostearate
Glyceryl oleate
Glycol esters
Glycol glyceryllaurate
Glycol glycerylstearate
Glycol monooleate
Glycol stearate
Glycollic acid
Glycollic acid salts and their derivatives
Glycon
Glycopon
Glycostearin
Guaiac saponin
Hemicellulose
Heptyl alcohol
Hexadecylguanidin hydrochloride
Higher fatty amines and their derivatives
Hydrathtal
Hydrocol
Hydrophtal
Hydroxystearic diglyceride
Immersol
Intramine
Invadene
Invadin
Iron arabate
Isomerpin
Isopropylchloronaphthalenesulphonic acid
Isopropylnaphthalenesulphonic acid
Kali penetrators
Kaolin
Kapinol
Kelgin
Lanoclarin
Lanette wax
Laurylnaphthionic acid
Lead-titanium tungstateresinate
Lecithin
Lentil starch
Linoleate-tungstates
Lohrinol
Lypohydrol acid
Magnesium arabate
Magnesium oleate
Magnesium valerate
Manucol
Merpentine
Mesitylenedisulphonic acid
Mesitylenesulphonic acid
Meta-aminodimethylanilin
Methyl acetylricinoleate
Methyl ester of acetylated polymerized ricinoleic acid
Methyl ester of polymerized ricinoleic acid
Methyl oleicsulphonate
Methyl ricinoleate
Methyl undesylinate
Methylcellulose
Methylcyclohexyl 4-sulphophthalate
Methylcyclohexylmethylcyclohexanol sulphonated
Methyldodecylaminoacetic acid
Methyldodecylaminomethylsalicylic acid
Methyldodecylaminopropionic acid
Methyldodecylaminosuccinic acid
Methylenedisulphonic acid
Methylethyleneglycol monopalmitate
Methylhexalin
Methylnaphthalenesulphonic acid
Methyloleylaminoacetic acid
Methyloleylaminomethylsalicylic acid
Methyloleylaminopropionic acid
Methyloleylaminosuccinic acid
Mineral oils, sulphonated
Miscibol
Monobutylnaphthalenesulphonic acid
Monocarboxylic acid of monocyclic terpene
Monopole oil
Monostearates
Montanimidoethyl ether hydrochloride
Morpholine
Morpholineoleicamide phosphate
Mulsor C
Mulsor V
Nacconals
Naccolene
Naccolsol
Nacon
Naphtha oil sulphonated
Naphthalenesulphonic acid
Naphthalides of oxyfatty acids
Naphthenic acid
Naphthenic acid soaps
Naphthenic acid derivatives and their salts
Nelgin
Neomerpin
Neopen
Noremulsol
Oat starch
Octyl alcohol
Octylguanidin hydrochloride
Oleic benzylglycolsulphonate
Oleic cyclohexylamide
Oleic oxyethylmorpholin
Oleoglyceryl sulphate
Oleyldiethylethylenediamine
Oratol
Oxyalkylated aromatic sulphonic acid
Oxyethylated fatty amines
Oxyalkylated hydroaromatic sulphonic acids
Palmitic acid, sulphonated
Paracymene sulphamides
Paradiethyldodecylamine normal oxide
Paradimethylaminododecylbenzene normal oxide
Paradimethylaminolaurophenone normal oxide
Paradimethylaminostearophenone normal oxide
Paradimethyldodecylamine normal oxide
Paramulsol
Parentinol K
Pectins
Penetralene
Pentraline
Permiol
Perpentol
Pharmagel
Phenanthrenedisulphonic acid
Phenanthrenesulphonic acid
Plastocreme
Polyrin
Polyglycerol esters
Polyglycol esters
Polysaccharides
Potassium betatetrahydronaphthalenesulphonate
Potassium cetylcetylate
Potassium cetylpalmitate
Potassium eleostearicsulphonate
Potassium heptanaphthalenesulphonate
Potassium hexanaphthalenesulphonate
Potassium hydroxide
Potassium isoallylnaphthalenesulphonate
Potassium isopropylchloronaphthalenesulphonate
Potassium linoleate
Potassium oleobietate
Potassium palmolate
Potassium pentylnaphthalenesulphonate
Potassium propylnaphthalenesulphonate
Potassium resinate
Potassium ricinoleicsulphonate
Potassium stearate
Proflex
Prolaurin
Prolein
Prostearin
Propyleneglycol laurate
Propyleneglycol oleate
Propyleneglycol stearate
Propyleneglycol ricinoleate
Propylenenaphthalenesulphonic acid
Proteins
Pseudocumenesulphonic acid
Red oil

(To be continued)

Petroleum Solvents, Lubricants, Fuels

Aromatic Naphtha No. 1 to Be Advanced January 1 — One Producer Advances Mineral Spirits, Rubber Solvent and V.M.&P. Naphtha at East Coast—Heating Oils Less Active

Effective January 1, the tankcar price of high-solvency aromatic naphtha No. 1 will be advanced. Other grades will remain unchanged. One producer of petroleum naphthas advanced prices on v.m.&p. naphtha, mineral spirits and rubber solvent last week.

Demand for burning oils was less insistent last week, a reflection of the milder weather experienced in most sections of the country. Gasoline demand was slack but the structure of the market was well maintained. Kerosene was less active. Lubricants were moving in routine fashion.

Price Changes

Advanced

None

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas. — Effective January 1, No. 1 material will be advanced 1c. per pound to 21c., f.o.b. Bayway, N. J. Other grades unchanged. Demand heavy during week.

Cleaners' Naphthas. — Consumers showed a good interest in offerings during the week. Price steady and unrevised.

Lacquer Diluent.—Market less active. Price firm.

Petroleum Thinners. — Routine movement. Deliveries regular and in fair volume. Prices steady.

Rubber Solvent.—One producer advanced tankcar prices 2/10c. per pound to 8.30c. Quotations listed at 8.30c. to 9½c. per pound.

Stoddard Solvent. — Demand was well maintained. Price steady and unchanged.

V. M. & P. Naphtha.—Good call reported. One producer advanced price 2/10c. per pound to level of 9c. Offerings now listed at 9c. to 9½c. per pound.

Markets at Other Centers

Chicago—Dec. 12

The market is more active and firmer in solvents and diluents. The improvement is confined to aromatic naphthas and rubber solvent, with thinners also more active. Other products are following a routine pattern normal to the season.

AROMATIC NAPHTHAS.—Demand better and prices firm.

CLEANERS' NAPHTHA.—Buying rather good, prices holding.

LACQUER DILUENT.—Call modest, with market unchanged.

PETROLEUM THINNERS.—Improved buying. Quotations firm.

RUBBER SOLVENT.—Good orders. Market holding.

STODDARD SOLVENT.—Limited trade. Steady prices.

V. M. & P. NAPHTHA.—Steady call, with quotations holding.

New Orleans—Dec. 12

The trend continued normal on cleaning solvent with little activity evidenced. Seasonal demand was experienced on V.M.P. naphtha.

CLEANING SOLVENT.—Demand normal; price steady.

V. M. P. NAPHTHA.—Market steady; unchanged price.

Tulsa—Dec. 12

Steadily expanding inquiries in all specialties features the market. Buyers appear to be more concerned with future deliveries and quotations than with the current spot market. Nevertheless, there was an increase in deliveries this week.

CLEANERS' NAPHTHA.—Demand routine. Quotations unchanged.

STODDARD SOLVENTS.—Trading fair. Prices steady.

LACQUER DILUENT.—More activity. Prices firm.

V. M. & P. NAPHTHA.—Inquiries broadening. Quotations strong.

RUBBER SOLVENTS.—Greater volume. Prices strong.

Lighter Fractions

Butane.—Strong demand. Shipments heavy. Price steady and unchanged.

Heptane.—Normal movement. Price firm.

Hexane.—Routine call. Deliveries regular but small in volume. No change in listed quotation.

Octanes. — Business fair. Prices steady.

Pentanes. — Little of new interest. Demand fair and price steady.

Propane. — Better than normal demand. Price steady.

Markets at Other Centers

Chicago—Dec. 12

Trade in most grades of light hydrocarbons has been fairly active and volume of business on the whole is good. Certain items such as butane are making an exceptionally good showing in volume of orders. On the whole tone is firm.

BUTANE.—Demand active. Market strong.

HEPTANE.—Moderate call, with prices steady.

HEXANE.—Fair interest, no change in price.

OCTANES.—Movement fair. Quotations unchanged.

PENTANES.—Inquiry moderate. Postings holding.

PROPANE.—Improved interest. Market strong.

Petrolatums and Waxes

Paraffin. — Firm and unchanged. Demand better than normal. Offerings freer but still slightly curtailed.

Petrolatums.—Market quiet. Prices easing.

White Mineral Oils. — Sluggish movement. Price structure remained week.

Markets at Other Centers

Chicago—Dec. 12

Trade was largely a routine affair in these materials. Paraffin moved according to normal buyers requirements for this season. Petrolatum was extremely quiet with no feature. Call for white oils remained somewhat restricted and slow.

PARAFFIN.—Fair call, no change in price.

PETROLATUMS.—Market quiet, prices steady.

WHITE MINERAL OILS.—Moderate call. Quotations holding.

Tulsa—Dec. 12

There is no change in the current paraffin market. Prices remain easy and unchanged, with the demand routine. Prices for 124-26 crude are unchanged at 2.85c. to 3c. per pound.

Fuels and Lubricants

Gasoline. — Contra-seasonal movement of stocks continued in good volume. Refinery prices firm and unchanged.

Kerosene. — Less interest in offer-

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940	1939
	Jan. 1-Dec. 7	Jan. 1-Dec. 7
Commercial crude oil production	1,212,512,483	1,150,436,407
	Week ended Dec. 7, 1940	Week ended Dec. 8, 1939
Daily average production	3,607,300	3,281,593
Bureau of Mines estimate	3,560,000	3,619,700
	Week ended Dec. 7, 1940	Week ended Nov. 30, 1940
Estimated motor fuel stocks	81,062,000	80,284,000
Estimated finished motor fuel stocks	74,986,000	74,161,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Compressed Gas Mfers, Jan. 20-21, New York.
N. Y. Oil Trades Ass'n, Jan. 21, New York.
Liq. Pet. Gas Ass'n, Feb. 24-25, Chicago.
Nat. Pet. Ass'n, April 25-26, Cleveland.

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
K.V. BLDG., CHARLESTON, W.VA.

Highest quality
NAPHTHENIC ACID
CRESYLIC ACID
VISCOUS OILS
(extremely viscous polymerized hydrocarbons)
CALODORANT
GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
CALIFORNIA COMMERCIAL COMPANY, INC.
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

JUST PUBLISHED 288 PAGES
"NAPHTHENIC LUBRICANTS and ALLIED PRODUCTS"
By DR. A. J. KRAUS—Consulting Chemist Price—$15.00
A practical guide, dealing with the use and adaptation of Naphthenics and their derivatives, in the manufacture of lubricating and processing products.
For further information ask for table of contents or send remittance in full to
DR. A. J. KRAUS - - 900-80th STREET, NORTH BERGEN, N. J.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

ALL GRADES GUARANTEED QUALITY
SHEROLATUM
The IMPROVED PETROLATUM U.S.P.
To meet all the special requirements for Pharmaceutical, Cosmetic and Industrial Purposes.
SHERWOOD Petroleum Company Inc.
REFINERS OF PETROLATUMS AND WHITE OILS
REFINERY, WARREN, PA. MAIN OFFICE ENGLEWOOD, N. J.

NEUTROLEUM
ALPHA
GAMMA
MAKES BAD ODORS VANISH!
A few drops of NEUTROLEUM will neutralize instantly the most offensive odors. Originally introduced for use in fly sprays and petroleum base preparations, it is now proving its effectiveness in hundreds of totally different technical products. Its cost is negligible; its value immeasurable. If your product has a sales-retarding scent you can free it of this handicap. Investigate NEUTROLEUM.
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

The State of the Petroleum Market

Gasoline and crude oil prices were unchanged last week.

	Dec. 13	Dec. 6	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.143	$1.143	$1.1845
Gasoline prices at refineries (at four refining centers) per gallon	.0517020	.0517020	.0529525

ings. Deliveries remained at good level. Prices steady and unchanged.

Fuel and Gas Oils.—Demand for heating oils was less spirited. Milder weather limited interest in offerings. Bunker C fuel oil in good demand. All prices firm and unchanged.

Lubricating Oils. — Pennsylvania neutrals and bright stocks were fairly active, although seasonal dullness began to set in. Prices were firm and unchanged.

Markets at Other Centers

Chicago—Dec. 12

Gasoline continues extremely irregular, with little overall change. Off-season demand is reduced. Light fuel oils were showing much strength while the heavy products also were in good demand. Lubricating oils were holding their own.

GASOLINE.—Market unsettled, prices irregular.

FUEL AND GAS OIL.—Better demand, prices firming.

FURNACE OIL. — Movement active, market strengthening.

LUBRICATING OILS.—Demand modest, no change in quotations.

New Orleans—Dec. 12

A conservative demand continued in the market on gasoline, with quotations unaltered. There was no change in the demand for kerosene and movement continued slow. Nominal interest was experienced in bunker C fuel oil market with little activity noted.

GASOLINE.—Demand routine; no price change.

KEROSENE. — Market sluggish; unchanged price.

BUNKER C FUEL OIL.—Market slow; quotations steady.

Tulsa—Dec. 12

There was a let-down in inquiries for motor fuel and greater offerings and more pressure appeared on the market. Demand for fuel oil is strong and quotations are very firm.

GASOLINE.—Quieter trading. Prices easing.

KEROSENE. — Market active, prices strong.

NATURAL GASOLINE.—Trading routine. Prices steady.

DISTILLATES.—Trading restricted for spot deliveries. Prices rising.

FUEL AND GAS OILS.—Broad movement. Prices rising.

LUBRICANTS.—Inquiries more numerous. Quotations stronger.

Shell Starts Production Of Toluol From Petroleum

Houston, Tex., Dec. 10, 1940

The first barrel of toluene from America's first petroleum toluene refinery here, was taken off today, more than a month ahead of schedule, R. H. Waser, manager of the Shell Oil Company's local plant, announced. Construction began only four months ago. The refinery was originally expected to start large scale production of high quality toluene during the middle of January.

In addition to the present method, which is an extractive rather than a synthetic process, Shell has perfected a second process under which petroleum molecules are rearranged to give toluene. By utilizing the second process as a supplement to the first, the output of the Houston refinery can be boosted to 10,000,000 gallons of toluene per year, if necessary, from which an annual total of 100,000,000 pounds of TNT may be produced. If needed, Shell's refineries in other sections of the U. S. could increase this output considerably—possibly to as much as 40,000,000 gallons.

Medical Research For Drug Industry

—*Continued from page* 34

ter for everyone concerned if these toxic results are known before the drug is released for general medical use. At the present time it seems that 1,500 to 2,000 carefully studied patients are the minimum required for the evaluation of a new sulphanilamide derivative which is to be used in the general field of bacterial chemotherapy.

One might say at this point, "But how are we going to get these people to do this for us?" As far as I have been able to see, if the new product on preliminary testing offers any great hope, the further testing of it is relatively simple. The only difficulty that the medical director will have is to prevent the product from getting out of hand, as he will find himself inundated with requests for the product from all sides. The medical director will be wise if he sticks to the letter of the law and permits the drug to be distributed for investigation only to "experts qualified by scientific training and experience to investigate the safety of drugs." At this point he will have to use a considerable amount of tact and discretion in order that the thorough testing of the compound can proceed satisfactorily, because a well-studied series of 100 cases from a reputable investigator are worth far more than 100 individual case reports from a 100 physicians (especially when these latter consist of, "I gave Mrs. Blank your new product and she came along very nicely," and are written on prescription blanks).

Conditions to Be Met

Inasmuch as the investigation of new products costs money and because medical research problems and budgets are made up on a yearly basis, it will frequently be necessary for members of the pharmaceutical industry to contribute funds for the support of investigations of their products. These grants represent developmental costs and should be considered as such.

One can never tell when a new product developed by members of the pharmaceutical industry will be ready for presentation to the university medical school or hospital for further investigation. It may be in any month of the year, and certainly you cannot expect that the investigators are going to drop everything they are doing and turn over their time and energy to the development of new products. Because of this, it will be necessary for members of the pharmaceutical industry to contribute money for fellowships, laboratory assistants, apparatus, animals, etc., in order that the product may be accurately evaluated.

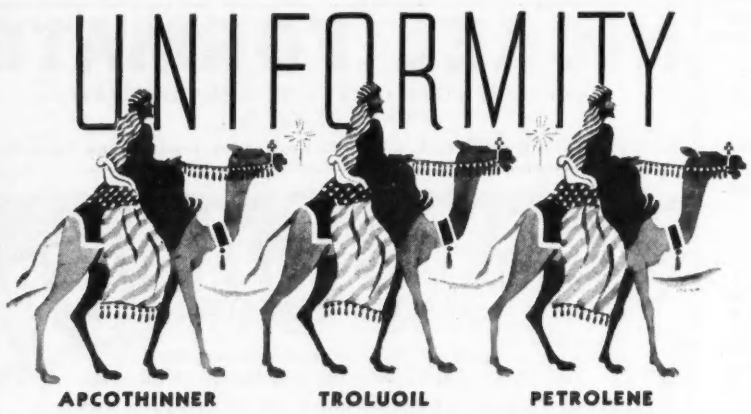
A program conducted as I have just outlined needs but one further word, and that is under all circumstances the university investigator must be completely free to do and to say as he sees fit in respect to the product, and no strings must be attached to these grants except that the money be used for the purpose for which it was given.

This means, if the product does not live up to certain early expectations, this fact must be made known; hence free and unhampered publication rights are necessary. In this respect the occasional habit of broadcasting thousands of reprints of a favorable report should be abandoned as it always creates difficulties for the investigator, and his consent should always be obtained before any of his work is incorporated in informative brochures regarding new compounds.

It is only by keeping these relations on a high ethical plane that the present era of cooperation between university investigators and industry can be successfully maintained.

Posner to Rule Manhattan And Bronx Paint Industry

Louis S. Posner has been named by Mayor La Guardia as impartial chairman for the painting industry to serve under a three-year agreement banning strikes which cover painters and decorators in Manhattan and Bronx. During the life of the three-year agreement all disputes between employers and workers will be submitted to Mr. Posner's arbitration.



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Fertilizer Materials

Quiet in Fertilizer Materials Market Becomes More Pronounced —Blood, Tankage Reduced — Hoofmeal Higher — South American Products Tighter—Freight Space Hard to Obtain

Slackening activity in the market for fertilizer materials became more pronounced last week. Mixers were apparently well stocked and were showing less inclination to order ahead. As a result, dried blood was reduced at New York and blood and tankage at Chicago. Feeding tankage also was lower in the Midwest. Hoofmeal was higher. South American organic materials were becoming slightly less available due to the difficulty encountered in obtaining freight space from there.

October exports of fertilizers and fertilizer materials were 148,135 long tons, a 31 percent increase over the October, 1939, shipments of 112,699 tons. Imports into the United States totaled 64,940 long tons, a 42 percent drop from the 112,411 of the corresponding period of 1939.

Nitrogenates

Ammonia Phosphate.—Offerings and demand small. Price firm.

Cyanamid.—Demand exceeded offerings. Price steady.

Dried Blood.—Lowered 10c. per unit at New York to $2.40. Reduced 20c. per unit at Chicago to $2.60. Market less active.

Fish Scrap. — Baltimore factories closed. No offerings of Japanese sardine meal reported.

Nitrate of Soda. — Demand small. Market marking time. Price steady.

Sulphate of Ammonia.—Strong export call. Price steady.

Tankage.—Fertilizer grade lowered 15c. per unit at Chicago to $2.50 and 10c. Feeding grade reduced 10c. per unit at Chicago to $2.70 and 10c.

Potashes

Shipments of all potash materials continued to run above those of the similar period last year. Market was slightly less active than during previous week. Prices steady and unchanged.

Phosphates

Bone Materials. — Domestic grades firm and in fair demand. Imported material slightly less available.

Phosphate Rock.—Routine and firm.

Superphosphate. — Market quiet. Prices steady.

Markets at Other Centers

Atlanta—Dec. 11

No particular interest is reported in marketing fertilizers at present. Cottonseed meal continues strong though the market is reported quiet. Quotations are as follows:—

SUPERPHOSPHATE.—55c. per unit, interior producing points.

NITRATE OF SODA.—Buk, port basis, $27 per ton.

COTTONSEED MEAL.—$31.50 to $32 per ton, Southeastern points.

BLOOD.—$2.50 per unit, for South American, at ports.

TANKAGE.—High grade, Chicago, $2.70 and 10c. per unit.

NITROGENOUS.—$1.75 per unit, Midwestern points.

Baltimore—Dec. 11

The market for crude fertilizer materials continues to be characterized by quiet. Business done was limited to the barest needs.

FISH SCRAP.—Pronounced quiet prevails. Supplies light.

Price Changes

Advanced

Hoofmeal, bulk, 50c. per unit, f.o.b. Chi.

Reduced

Blood, dried, 16-16½ percent ammon., , 10c. per unit, f.o.b. N.Y.
high-grade grd., 20c. per unit, f.o.b. Chi.
Tankage, fertilizer, 15c. per unit, f.o.b. Chi.
feeding, 10c. per unit, f.o.b. Chi.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.3	67.3	67.3	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

SUPERPHOSPHATE.—Demand continues indifferent. Quotations are still at $8 per ton for 16 percent supplies, with $8.50 per ton for 16 percent flat.

TANKAGE.—Quiet, with offers at $2.50 and 10c. for unground fertilizer material.

DRIED BLOOD.—Trading slow, with last sales concluded around $2.40 per unit-ton, f.o.b. shipping point.

BONE.—Neither the price range nor the character of the trading in this product has undergone any important modifications. Market quiet and firm.

SULPHATE OF AMMONIA.—Further export sales have been made at $41.50 per ton. Further advances may be looked for.

Chicago—Dec. 11

A light volume of business is reported in the general fertilizer materials line. Movement of blood has been fair. Tankage has been quiet. Bone materials remain rather dull.

BLOOD.—Principal grade, $2.60 per unit of ammonia.

TANKAGE.—High grade, feeding, $2.70 and 10c.; hoof-meal, $2.50 to $2.75; liquid stick, $1.25 to $1.50.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $29 to $30; 3 and 50 percent, $33 to $35; 4½ and 50 percent, $30 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; beef cracklings, soft pressed, $32.50 to $35 per ton; pork cracklings, $35 to $37.50; hard pressed cracklings, per unit of protein, 60c. to 62½c.

San Francisco—Dec. 11

Situation here in crude fertilizer materials is one of firmness, but buying continues to be on the light side. Shipping instructions have as yet not gotten seriously under way, and the movement is expected to commence next month. Organic products are mostly going into feed channels. Further activity was present again in fish meal last week, but the volume was not great.

SULPHATE OF AMMONIA.—$38 per ton in 100-pound bags, delivered inland points.

SUPERPHOSPHATE.—80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, and 167-pound bags, $28.70, both ex vessel or warehouse. Bulk lots at $27.

FISH MEAL.—Steady to stronger. Spot and futures, 67 percent protein, $47.50 per ton, f.o.b. San Francisco; 65 percent protein, $46, f.o.b. Monterey.

TANKAGE.—Unground, wet rendered, $2.70 and 10c. per unit-ton, f.o.b. plant, Northern California. Dry rendered, ground, 50 percent, $35 per ton, f.o.b. cars. South San Francisco. Unground, dry rendered, 57½c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—$2.60 per unit, fo.b. cars, South San Francisco, and $2.75 Los Angeles. New Zealand and/or South American blood, $2.65, ex dock, Pacific Coast.

Bids Wanted

Alumina Sulphate:—100,000 pounds; Contracting Office, Quartermaster Corps., Ft. Monroe, Va.; invitation 570-64, opening December 23.

Ammonia, Anhydrous:—2,500,000 pounds; Bureau of Supplies and Accounts, Navy Department, for White Plains; schedule 4443, opening December 17.

Antimony Sulphide:—300 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1225, opening December 23.

Benzol:—30,000 gallons; Bureau of Supplies & Accounts, Navy Department, for Eastern and Western yards; schedule 4551, opening January 3.

Chlorine, Liquid:—7,200 pounds, Contracting Office, Quartermaster Corps., Ft. Monroe, Va.; invitation 570-64, opening December 23.

Dye, Green:—1,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1256, opening December 26.

Glycerin:—20,000 gallons, for Western and Eastern navy yards; Bureau of Supplies & Accounts, Washington, D. C.; schedule 4470, opening January 3.

Manganese Resinate:—18,000 pounds; Bureau of Supplies & Accounts, Navy Department for Norfolk, Va.; schedule 4550, opening January 3.

Quicksilver:—7,500 pounds, for Eastern and Western navy yards; Bureau of Supplies & Accounts, Washington, D. C.; schedule 4469, opening January 3.

Oil, Lard:—20,000 gallons; Commanding Officer, Springfield Armory, Mass.; circular 166, opening December 17.
2,000 gallons: Commanding Officer, Rock Island Arsenal, Ill.; circular 773, opening December 18.

Resin, Phenolic:—47,000 pounds; Bureau of Supplies & Accounts, Navy Department, for Norfolk, Va., and Mare Island; schedule 4509, opening January 3.

Sodium Phosphate, Tribasic:—1,100,000 pounds; Bureau of Supplies & Accounts, Navy Department, for Eastern and Western yards; schedule 4527, opening January 3.

Wax, Bees:—36,000 pounds, for Eastern and Western navy yards; Bureau of Supplies & Accounts, Washington, D. C.; schedule 4467, opening January 3.

Zinc, Yellow:—11,900 pounds; Bureau of Supplies & Accounts, Navy Department, for Mare Island; schedule 4494, opening January 3.

Paint-up campaign in Lubbock, Tex., resulted in use of approximately 38,387 gallons of paint and varnish, valued at $120,927.

Smalley Elected Fellow Of Agronomy Society

Chicago, Dec. 9, 1940

H. R. Smalley, director of soil improvement work for the National Fertilizer Association, received the highest honor that the American Society of Agronomy confers upon any of its members, when he was elected a fellow at the recent annual meeting of the society here. His election was based upon his discovery of aluminum toxicity in acid soils, his development of cooperative relations between research and industry workers and on his services on society committees for the past several years.

Others elected fellows were Dr. L. F. Graber, head of the department of agronomy, University of Wisconsin; Dr. F. W. Parker, agronomist for E. I. du Pont de Nemours & Co., Wilmington, and Dr. Paul C. Mangelsdorf, professor of botany at Harvard University and director of the Harvard Herbarium.

Phosphate Rock Output At Nauru Up 2 Percent

Production of phosphate rock at Nauru and Ocean Islands during the year ended June 30, 1940, was estimated at 1,247,000 tons, a gain of 2 percent over the previous year and 8 percent over 1937-38. About two-thirds of output occurred on Nauru Islands and the remainder on Ocean Islands, according to the Department of Commerce.

Exports were distributed as approximately as follows:—Australia, 667,000 long tons; New Zealand, 404,000 tons; United Kingdom, 40,000 tons, and other countries, 126,000 tons. The British Phosphate Commission, entity operating the phosphate deposits at Nauru and Ocean Islands for the Governments of Australia, New Zealand and United Kingdom owned four vessels specially built for the distribution of phosphate rock.

Chilean Nitrate Movie Offered to Farm Groups

A motion picture showing interesting parallels between the food requirements of plants, animals and humans has been released by the Chilean Nitrate Educational Bureau. Made in natural colors, with sound accompaniment, the film depicts the mining, refining and transportation of Chilean nitrate and the effects on crops of various plant food deficiencies. Special showing will be made to farm audiences, agricultural workers and fertilizer agents throughout the United States.

Rubber Research Institute reports that a serious shortage of fertilizers is threatening rubber plantations in British Malaya. Exchange conditions and shipping difficulties are responsible for the shortage.

Fertilizer Tag Sales: November

Equivalent tons

	P.C. of	November		P.C. of	January-November		
	1939.	1940.	1939.	1938.	1939.	1940.	1939.	1938.
Virginia	69	2,375	3,430	1,550	94	383,603	409,777	397,692
North Carolina	110	7,402	6,755	4,885	88	1,026,114	1,168,786	1,047,470
South Carolina	188	12,372	6,585	3,330	101	669,025	663,519	643,450
Georgia	253	15,244	6,025	37,468	110	743,367	678,637	743,407
Florida	88	59,767	67,684	84,331	106	507,915	478,105	477,211
Alabama	49	1,500	3,050	550	103	572,050	553,650	526,250
Mississippi	20	2,070	10,425	6,800	99	306,758	310,396	306,886
Tennessee	..	123	10	911	112	146,361	130,354	128,249
Arkansas	..	...	1,200	500	135	98,950	73,222	65,500
Louisiana	168	2,350	1,400	5,250	98	152,325	155,688	144,542
Texas	114	1,800	1,575	425	128	116,784	90,982	80,486
Oklahoma	..	...	...	150	95	6,663	7,022	8,005
Total South	97	105,003	108,139	146,145	100	4,729,915	4,720,138	4,569,148
Indiana	252	156	62	125	115	302,537	262,520	235,053
Illinois	811	300	37	562	120	51,373	42,706	42,217
Kentucky	26	512	1,967	...	103	123,102	120,009	109,644
Missouri	..	78	...	40	130	87,572	67,556	70,084
Kansas	..	70	...	...	123	17,566	14,296	18,079
Total Midwest	54	1,116	2,066	727	115	582,150	507,087	475,077
Grand total	96	106,119	110,205	146,872	102	5,312,065	5,227,225	5,044,225

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

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Gardner Paint Analysis Volume in New Printing

The second printing of the ninth edition of the volume, "Physical and Chemical Examination of Paints, Varnishes, Lacquers and Colors," is reported by Dr. Henry A. Gardner, author of the work. The reprint, it is declared, includes much new material in the form of an addenda chapter. It is also said to include an elaborate study of color families. This study presents some forty-eight colors in mass tone and in tint reductions in the form of 100 large color chips.

The volume also presents the physical and chemical properties of the colors, in addition to tone variance, light fastness, bleed resistance, baking characteristics, opacity, grinding data, and other information on chemical toners. The raw material index of the work contains entries showing the properties of 3,740 pigments, oils, synthetic resins, solvents, thinners, plasticizers, metallic soaps, and other protective coating ingredients. A bulletin describing the new volume may be obtained by addressing Dr. Gardner, 27 W. Kirke street, Chevy Chase, Md., mentioning the REPORTER.

Moore Wins 'Glyptal' Marble Guessing Contest

Bridgeport, Conn., Dec. 12, 1940

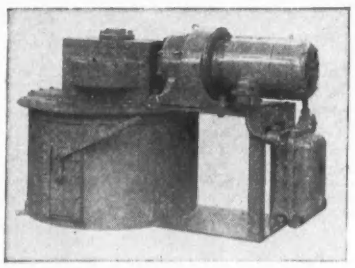
H. R. Moore, of the Philadelphia Paint and Varnish Production Club, won first prize in the guessing contest conducted by the General Electric Company, this city, at its 'Glyptal' booth at the recent Federation convention in Washington. With 4,643 marbles in the bowl. Mr. Moore guessed 4,656.

Metallic Soaps Discussed In New Bulletin Series

A series of bulletins on the research and development of metallic soaps has been inaugurated by M. W. Parsons, imports and Plymouth Organic Laboratories, Inc. The first bulletin, just released in an attractive folder, discusses the use "Plymouth" brand metallic stearates in paints, varnishes, and lacquers. The company plans to issue a new bulletin each month. A copy of the first bulletin and a folder may be had by users of metallic soaps by communicating with M. W. Parsons, imports and Plymouth Organic Laboratories, Inc., 59 Beekman street, New York, on mention of the REPORTER.

Porter Co. Augments Line with Paint Mixers

H. K. Porter Company has expanded its line of chemical process equipment to include paint and paste



mixers. Mixers are now available in all capacities, ranging from small laboratory sizes to large production models. They are available in plain or alloyed steels with any type of motor drive.

The accompanying illustration shows an eighty-gallon heavy duty paint mixer assembled into a rigid, compact unit. Features of this particular model include machine-cut totally enclosed gears, water-tight discharge gate, explosion-proof motor and conveniently mounted explosion-proof controls.

The hopper of the machine has a hinged cover and the gear case is situated above the cover. A vertical shaft and motor drive operates finger type stirrer running close to sides and bottom of hopper. The discharge gate has a square opening and is absolutely water tight. Complete information will be supplied by the manufacturer upon request at the office of the company, 4999 Harrison street, Pittsburgh, Pa.

'Arochem 345' Offered

A new uniform esterized polymer of greater molecular weight and with a higher melting point than ester gum has been placed on the market by the Stroock & Wittenberg Corporation under the name of "Arochem 345." The new resin is said to produce lacquers and varnishes having greater hardness, durability, color retention, and several other advantages. A bulletin completely describing the new material may be secured by addressing the Stroock & Wittenberg Corporation, 60 East 42nd street, New York, mentioning the REPORTER.

Shipping Information

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Imports at U.S. Ports

New York Imports

AGAR AGAR—10 bls, Takamine Corp, Kobe
25 bls, S B Penick & Co, Kobe
10 bls, Mitsui & Co, Kobe
15 bls, Mitsui & Co, Kobe
25 bls, S B Penick & Co, Kobe
10 bls, Mitsui & Co, Kobe
66 bls, Kobe

ANISE STAR—50 bls, S B Penick & Co, Hongkong
50 bls, R J Prentiss & Co, Hongkong

ARROWROOT SEDIMENT—25 bgs, Java American Export Co, Rio Janeiro

ARSENIC, WHITE—84 bbls, American Smelting & Refg Co, Tampico

ASBESTOS—1,160 bls, Raw Asbestos Distr Ltd, Beira
3,507 bls, Raw Asbestos Distr Ltd, Beira
400 bgs, Capetown
600 bgs, Capetown

BEEF EXTRACT—35 cs, International Product Corp, Buenos Aires
LIVER EXTRACT—20 kgs, Lederle Lab, Havana

BISMUTH, REFINED—203 bxs, W R Grace & Co, Callao

BONE MEAL—500 bgs, Buenos Aires

BRISTLES—28 cs, H Rosenhirsch & Co, Mukden
10 cs, H E Botzow & Co, Mukden
26 cs, H Rosenhirsch & Co, Mukden
28 cs, S Hirshenhorn & Son, Mukden
50 cs, H E Botzow & Co, Mukden
16 cs, H E Botzow & Co, Mukden
28 cs, Mitsubishi-Shoji-Kaisha, Tsingtao
26 cs, Chesnut, Cooper & Co, Dairen
50 cs, F H Cone & Co, Shanghai
55 cs, F H Cone & Co, Tientsin
55 cs, Mitsubishi-Shoji-Kaisha, Tientsin
26 cs, N Wagman Co, Mukden
55 cs, F H Cone & Co, Tientsin
55 cs, Mitsubishi-Shoji-Kaisha, Tientsin
23 cs, N Wagman Co, Mukden
10 cs, Mitsubishi-Shoji-Kaisha, Tientsin
29 cs, N Wagman Co, Mukden
50 cs, N Wagman Co, Dairen
25 cs, F H Cone & Co, Shanghai
3 cs, H Rosenhirsch & Co, Kobe
15 cs, F H Cone & Co, Kobe
31 cs, F W Von Stade, Kobe
14 cs, F H Cone & Co, Kobe
18 cs, N Wagman Co, Kobe
55 cs, F H Cone & Co, Buenos Aires
55 cs, F H Cone & Co, Kobe
5 cs, A Arnstein, Buenos Aires

BUCHU LEAVES—10 bls, R J Prentiss & Co, Capetown

CALCIUM TARTRATE—125 bgs, W R Grace & Co, San Antonio

CAMPHOR, REFINED—11 cs, Iwai & Co, Kobe
100 cs, McKesson & Robbins, Kobe
50 cs, Norda Essential Oil & Chem Co, Kobe
25 cs, Iwai & Co, Kobe

CANARY SEED—20 bgs, Garcia & Diaz, Lisbon
262 bgs, Buenos Aires

CASEIN—500 bgs, American British Chem Supplies, Buenos Aires
50 bgs, Buenos Aires
417 bgs, American British Chem Supplies, Buenos Aires

CASSIA—89 bls, Sino Java Handel, Batavia
60 bls, Segal Brokerage Co, Hongkong
50 bls, B H Olds & Co, Hongykong
200 bls, A G Dunn, Hongkong
100 bls, E Miltenberg, Kobe

ROLLS—200 bls, A G Dunn, Hongkong
200 bls, O Gerdau Co, Hongkong
200 bls, Toledano & Pinto, Hongkong
50 bls, W Archibald, Hongkong
10 bls, O Gerdau Co, Hongkong
100 bls, A G Dunn, Kobe

VERA—100 pkgs, D G Evans & Co, Batavia
100 bls, D G Evans & Co, Batavia
115 pkgs, Parrish Bros, Batavia

CASTOR BEANS—3,386 bgs, National City Bank, Bahia
3,250 bgs, Baker Castor Oil Co, Ceara
743 bgs, Mitsui & Co, Ceara
790 bgs, Mitsui & Co, Ceara
1,579 bgs, Mitsui & Co, Ceara
1,600 bgs, Spencer Kellogg & Sons, Ceara
722 bgs, Gradvohl Co, Rio Janeiro
3,387 bgs, National City Bank, Bahia
1,694 bgs, Guaranty Trust Co, Bahia
3,388 bgs, National City Bank, Recife
1,700 bgs, Spencer Kellogg & Sons, Recife
1,700 bgs, Recife.
1,675 bgs, Bunge North Amefrican Grain Co, Recife
5,000 bgs, Baker Castor Oil Co, Recife
1,000 bgs, Spencer Kellogg & Sons, Cabedello
677 bgs, Guaranty Trust Co, Cabedello
1,354 bgs, National City Bank, Cabedello
1,354 bgs, Guaranty Trust Co, Cabedello
677 bgs, National City Bank, Cabedello
1,375 bgs, Fortaleza
2,300 bgs, Mitsui & Co, Fortaleza
1,604 bgs, Fortaleza
2,900 bgs, Mitsui & Co, Fortaleza

CHEMICALS—17 dms, Wedeman & Godknecht, Lisbon
3 cs, Wedeman & Godknecht, Lisbon

CHILLIES—400 bgs, Africa
140 bgs, Leslie & Anderson, Mombassa

CHINA CLAY—100 bgs, Liverpool

CHROME ORE—2,000 tons, W R Grace & Co, Beira
1,000 tons, Guaranty Trust Co, Beira
1,000 tons, W R Grace & Co, Beira
750 tons, Guaranty Trust Co, Beira

CINCHONA BARK—342 bgs, Central Plantation Corp, Puerto Barrios

CLOVES—80 bls, Greene Trading Co, Zanzibar
100 bls, O Gerdau Co, Zanzibar
100 bls, A G Dunn, Zanzibar
100 bls, Knickerbocker Mills Co, Zanzibar
300 bls, Greene Trading Co, Zanzibar
100 bls, G Uhe & Co, Zanzibar
100 bls, Zanzibar
286 bls, H J Heinz & Co, Zanzibar
250 bls, J S Toledano & J M Pinto, Zanzibar
200 bls, A G Dunn, Zanzibar
200 bls, Givaudan-Delawanna, Zanzibar
800 bls, G Uhe & Co, Zanzibar
750 bls, Greene Trading Co, Zanzibar
500 bls, G Uhe & Co, Zanzibar
300 bls, Greene Trading Co, Zanzibar
200 bls, G Uhe & Co, Zanzibar
200 bls, Greene Trading Co, Zanzibar

COALTAR INTERMEDIATES—36 cs, Rohner, Gehrig & Co, Lisbon
60 kegs, Rohner, Gehrig & Co, Lisbon

COCHINEAL—12 bgs, Wessel, Duval & Co, Callao

COCOA BEANS—2,000 bgs, Wessel, Kulenkampf & Co, Ilheos
1,000 bgs, Middleton & Co, Ilheos
1,000 bgs, Nieschlag & Co, Ilheos
2,000 bgs, Wessel, Kulenkampf & Co, Ilheos
2,000 bgs, Rockwood & Co, Ilheos
1,000 bgs, Middleton & Co, Ilheos
2,000 bgs, Wessel, Kulenkampf & Co, Ilheos
1,000 bgs, Scarburgh & Co, Ilheos
1,000 bgs, Middleton & Co, Ilheos
2,000 bgs, Wessel, Kulenkampf & Co, Ilheos
1,000 bgs, Middleton & Co, Ilheos
1,000 bgs, Bank of London, South America, Ilheos
2,000 bgs, Wessel, Kulenkampf & Co, Ilheos
1,000 bgs, Middleton & Co, Ilheos
2,000 bgs, Wessel, Kulenkampf & Co, Ilheos
3,000 bgs, Chase National Bank, Ilheos
1,500 bgs, Middleton & Co, Ilheos
5,000 bgs, Wessel, Kulenkampf & Co, Ilheos
1,000 bgs, Bahia
2,000 bgs, Wessel, Kulenkampf & Co, Bahia
1,000 bgs, Guaranty Trust Co, Bahia
3,000 bgs, A C Israel Comm Co, Bahia
2,000 bgs, Bahia
1,000 bgs, Chase National Bank, Bahia
1,500 bgs, Guaranty Trust Co, Bahia
1,000 bgs, Chase National Bank, Bahia
1,000 bgs, Bahia
1,500 bgs, Guaranty Trust Co, Bahia
2,000 bgs, Chase National Bank, Bahia
6,000 bgs, A C Israel Comm Co, Bahia
1,500 bgs, Nieschlag & Co, Bahia
1,500 bgs, Guaranty Trust Co, Bahia
500 bgs, Cristobal
94 bgs, Wessel, Duval & Co, Cristobal
4,800 bgs, Balfour, Guthrie & Co, Accra
1,600 bgs, Balfour, Guthrie & Co, Accra
3,200 bgs, Balfour, Guthrie & Co, Winneba
2,864 bgs, Balfour, Guthrie & Co, Winneba
1,936 bgs, Balfour, Guthrie & Co, Winneba
1,346 bgs, Balfour, Guthrie & Co, Takoradi
5,055 bgs, Balfour, Guthrie & Co, Takoradi
3,360 bgs, Balfour, Guthrie & Co, Takoradi
3,840 bgs, Balfour, Guthrie & Co, Accra
12,000 bgs, Cadbury & Fry, Accra
8,000 bgs, Comp Francaise de L'Afrique, Accra
8,000 bgs, Barclay Bank, Accra
4,000 bgs, Standard Bank South Africa, Accra
8,000 bgs, Bank of Manhattan, Accra
500 bgs, W R Grace & Co, Guayaquil
250 bgs, A Canale, Guayaquil
300 bgs, Middleton & Co, Guayaquil
200 bgs, La Guaira
376 bgs, La Guaira
10,000 bgs, Fruit Dispatch Co, Bocas del Toro
500 bgs, A A Lindo & Co, Porto Limon
2 bgs, Fruit Dispatch Co, Porto Limon
250 bgs, Wood & Selick, Trinidad
200 bgs, Farr & Co, Trinidad

COCONUTS—300 bgs, Universal Import & Export Co, Kingston
200 bgs, J A Manton, Kingston

COCONUT, DESIC—500 bgs, Wilbur Ellis & Co, Manila
1,175 cs, Wilbur Ellis & Co, Manila
75 bgs, Philippine Desic Coconut Corp, Manila
3,270 pkgs, Philippine Desic Coconut Corp, Manila
190 cs, Philippine Desic Coconut Corp, Manila
200 cs, P Levy, Manila
870 bgs, Durkee Famous Foods, Manila
350 cs, Balfour, Guthrie & Co, Manila
2,582 cs, Durkee Famous Foods, Manila
466 cs, Durkee Famous Foods, Manila
160 cs, Philippine Desic Coconut Corp, Manila
315 bgs, Philippine Desic Coconut Corp, Manila
1,700 cs, Dodwell & Co, Manila
450 cs, Balfour, Guthrie & Co, Manila
576 cs, General Food Sales Co, Manila
2,967 bgs, General Food Sales Co, Manila
275 cs, Wood & Selick, Manila
2,396 bgs, General Food Sales Co, Manila
125 cs, Wood & Selick, Manila
1,623 cs, Durkee Famous Foods, Cebu
718 bgs, Durkee Famous Foods, Cebu
247 cs, Durkee Famous Foods, Cebu
465 cs, Philippine Desic Coconut Corp, Cebu
265 cs, Durkee Famous Foods, Cebu
353 bgs, Durkee Famous Foods, Cebu
240 cs, Philippine Desic Coconut Corp, Cebu
520 bgs, Durkee Famous Foods, Cebu
35 cs, Wood & Selick, Cebu
85 bgs, Wood & Selick, Cebu
855 bgs, General Food Sales Co, Cebu

COCONUT SHELL CHARCOAL—2,680 bgs, General Food Sales Co, Cebu

CORIANDER SEED—152 bgs, Buenos Aires

CORK—310 bls, F Marti, Seville
25 bls, Armstrong Cork Co, Seville
125 bls, Mundet Cork Corp, Lisbon

SHAVINGS—370 bls, Wicander & Co, Lisbon
360 bls, Wicander & Co, Lisbon
360 bls, New York & Cuba Mail S S Co, Lisbon
199 bls, D E Kennedy, Inc, Lisbon
618 bls, Fitzgerald Mfg Corp, Lisbon
1,181 bls, Mundet Cork Corp, Lisbon
339 bls, Mundet Cork Corp, Lisbon
730 bls, Mundet Cork Corp, Lisbon

VIRGIN—888 bls, H Suhl, Lisbon
979 bls, Mundet Cork Corp, Lisbon
982 bls, Mundet Cork Corp, Lisbon
790 bls, Lisbon
390 bls, Lisbon
2,089 bls, National City Bank, Lisbon
300 bls, Mundet Cork Corp, Lisbon
918 bls, National City Bank, Lisbon
300 bls, Mundet Cork Corp, Lisbon

WASTE—949 bls, Mundet Cork Corp, Lisbon
950 bls, Cox & Fahner, Lisbon
600 bls, Mundet Cork Corp, Lisbon
950 bls, Mundet Cork Corp, Lisbon

CORK, WASTE—226 bls, Consolidated Cork Corp, Lisbon
1,134 bls, Lisbon
740 bls, Consolidated Cork Corp, Lisbon
182 bls, Consolidated Cork Corp, Lisbon
2,879 bls, F F Wilkins, Seville
441 bls, F F Wilkins, Seville
3,856 bls, Lisbon
1,550 bls, Mundet Cork Corp, Lisbon
1,110 bls, Mundet Cork Corp, Lisbon

WOOD—321 bls, Mundet Cork Corp, Lisbon
100 bls, Cox & Fahner, Lisbon
200 bls, Atlantic-Pacific Mfg Corp, Lisbon
419 bls, Chase National Bank, Lisbon
226 bls, Pablo Calvet & Co, Lisbon
268 bls, Chase National Bank, Lisbon
233 bls, Pablo Calvet & Co, Lisbon
113 bls, Chase National Bank, Lisbon
41 bls, Pablo Calvet & Co, Lisbon
1,589 bls, F F Wilkins, Seville
100 bls, Mundet Cork Corp, Lisbon
250 bls, Wicander & Co, Lisbon
700 bls, Cob & Fahner, Lisbon
400 bls, Mundet Cork Corp, Lisbon
600 bls, Lisbon
150 bls, Atlantic-Pacific Mfg Corp, Lisbon
480 bls, Mundet Cork Corp, Lisbon

COTTONSEED MEAL — 1,116 bgs, Buenos Aires

COTTONSEED HULL FIBER—583 bls, Hercules Powder Co, Santos

DERRIS ROOT—42 bls, Dodwell & Co, Cebu

DIVI DIVI—741 bgs, Wessel, Duval & Co, Curacao

DRUGS—60 cs, Trust Co of North America, Buenos Aires

DYES, ANILIN—10 bbls, Rohner, Gehrig & Co, Lisbon
37 cs, Rohner, Gehrig & Co, Lisbon
51 pkgs, Rohner, Gehrig & Co, Lisbon

FENNEL SEED—17 bgs, R J Prentiss & Co, Buenos Aires

GAMBIER—350 bgs, American Cyanamid & Chem Co, Singapore
189 bgs, J W Phyfe & Co, Singapore

GINGER ROOT—3,013 bgs, Freetown

GLUESTOCK—48 bls, Darmstadt, Scott & Courtney, Buenos Aires

GLYCERIN—61 dms, Buenos Aires
SAPONIFIED—45 dms, Corn Exchange Bank & Trust Co, Buenos Aires

GRAPHITE AMORPHOUS—2,800 bgs, Mitsui & Co, Husan

GUM, CHICLE—1,366 bls, Mexican Exploration Corp, Vera Cruz
560 bls, Chicle Development Co, Puerto Barrios
280 bls, Chicle Development Co, Puerto Barrios
138 bls, Chicle Development Co, Puerto Barrios
142 bls, Chicle Development Co, Puerto Barrios
2 bgs, Meyer & Belloso, Ciudad Bolivar
418 bls, Meyer & Belloso, Ciudad Bolivar
418 bls, Tampico
552 bls, Mexican Exploration Corp, Vera Cruz
139 bls, Mexican Exploration Corp, Vera Cruz

COPAL—42 bgs, Manufacturers Trust Co, Manila
264 bgs, O G Innes Corp, Manila
130 bgs, Stroock & Wittenberg, Manila

DAMMAR—50 cs, O G Innes Corp, Singapore
210 bgs, O G Innes Corp, Singapore
200 bgs, H P Winter & Co, Batavia
200 cs, H P Winter & Co, Batavia
200 cs, Thurston & Braidich, Batavia
172 cs, Thurston & Braidich, Batavia
288 cs, Thurston & Braidich, Batavia

ELEMI—20 cs, Philippine American Traders, Manila
130 cs, M Fried, Manila

NESPERA—5 bgs, Chicle Development Co, Cristobal
6 bgs, Chicle Development Co, Cristobal

HERBS—30 bxs, American Trade Development, Rio Janeiro
20 cs, S B Penick & Co, Buenos Aires

IPECAC ROOT—29 bgs, Wessel, Duval & Co, Cristobal
19 bgs, Wessel, Duval & Co, Cristobal

IRISH MOSS—53 bgs, England

IRON OXIDE—1,098 bbls, C K Williams & Co, Malaga
100 bbls, Grace Natl Bank, Malaga
710 bbls, C K Williams & Co, Malaga

LEAD CONC—406 bgs, Wedeman & Godknecht, Beira
435 bgs, Wedeman & Godknecht, Beira
512 bgs, Wedeman & Godknecht, Beira

LICORICE ROOT—5,442 bls, MacAndrews & Forbes, Seville
40 bgs, MacAndrews & Forbes, Seville

LOOFAHS—17 bls, American Sponge & Chamois Co, Kobe

MACE—3 bgs, Farr & Co, Trinidad

MAGNESITE—1 pkg, J H Hunter & Co, Trinidad

MANIOC FLOUR—425 bgs, Rutger, Bleecker & Co, Ceara
SEDIMENT—25 bgs, Java American Export Co, Rio Janeiro
10 bgs, Java American Export Co, Rio Janeiro

MEAT EXTRACT—25 cs, C Hollinshed Co, Montevideo

MEDICINAL PREPS—20 cs, Biohn & Co, Barranquilla
21 cs, J E Bernard & Co, Lisbon
3 cs, Samuel Gilbert, Lisbon
9 cs, Rohner, Gehrig & Co, Lisbon

MENTHOL—50 cs, Wilbur Ellis & Co, Shanghai

MICA—50 cs, J Koppel, Buenos Aires

MILK POWD—10 cs, Nestle's Milk Prod Co, Buenos Aires
25 cs, Nestle's Milk Prod Co, Buenos Aires

MILLET SEED—200 bgs, H Schoenfeld & Son, Buenos Aires

MINERAL—1 bg, Wah Chang Trading Corp, Salaverry
67 bgs, Cartagena
10 bgs, Bank of London South America, Cristobal

NUTMEGS—9 bgs, Farr & Co, Trinidad

OIL—2 dms, Vera Cruz
4 dms, Vera Cruz
CAMPHOR—10 dms, Givaudan-Delawanna, Yokohama
15 cs, Dodge & Olcott Co, Yokohama
CANANGA—2 dms, Stein, Hall & Co, Batavia
CHINAWOOD—47 dms, Pacific Vegetable Oil Corp, Hongkong
87 dms, Pacific Vegetable Oil Corp, Hongkong

OIL, CITRONELLA—8 dms, Stein, Hall & Co, Batavia
16 dms, Catz American Co, Batavia
8 dms, Stein, Hall & Co, Batavia
40 dms, Geo Uhe Co, Batavia
8 dms, Stein, Hall & Co, Batavia
20 dms, Geo Uhe Co, Batavia
20 dms, H P Winter & Co, Batavia

COCONUT—980 tons, Wecoline Prod Inc, Manila
518 tons, Procter & Gamble Co, Manila

CODLIVER—1,575 dms, Iceland
4 cs, Iceland

ESSENTIAL—15 dms, H A Sothern, Porto Barrios
8 bbls, H A Sothern, Porto Barrios
37 dms, H A Sothern, Porto Barrios

FISH LIVER—160 dms, Atlantic Coast Fisheries, Kobe
460 dms, Atlantic Coast Fisheries, Kobe

LIME—11 dms, Fritzsche Bros, Trinidad
12 dms, Dodge & Olcott Co, Trinidad

OITICICA—25 dms, Rio Janeiro

OLIVE—75 cs, J S Toledano & Co, Pinto, Havana

OLIVE SULPHUR—1,440 bbls, Lisbon

ORANGE—2 dms, Fritzsche Bros, Kingston

PALM—465 tons, Lever Bros, Belawan Deli
335 tons, Balfour, Guthrie & Co, Belawan Deli

PEPPERMINT—10 cs, Siler, Hegner & Co, Shanghai

PETITGRAM—12 dms, Ungerer & Co, Buenos Aires
30 cs, Buenos Aires
1 cs, Stern, Stiner Co, Buenos Aires
8 dms, Ungerer & Co, Buenos Aires

PIMENTO LEAF—5 cs, W E Martin, Kingston

POLLACK LIVER—93 dms, Consumers Import Co, Kobe
550 dms, Consumers Import Co, Kobe
460 dms, Kobe

RAPESEED—300 dms, Buenos Aires

TEASEED—50 dms, Wilbur Ellis & Co, Shanghai

YLANG YLANG—2 cs, Allandon Bayonne Co Inc, Cebu
1 cs, W R Babcock & Co, Cebu
1 cs, Philippine American Traders, Manila

PAPRIKA—75 bgs, Saffowl Prod Co, Lisbon
20 cs, Alicante
41 bgs, Alicante

PEPPER, BLACK—735 bgs, Catz American Co, Telok Betong
490 bgs, Catz American Co, Telok Betong
409 bgs, Catz American Co, Telok Betong

WHITE—258 bgs, Catz American Co, Batavia
172 bgs, Catz American Co, Batavia

PIMENTO—20 bgs, W E Martin, Porto Barrios
6 bgs, W E Martin, Porto Barrios

POTASH CHLORATE—200 cs, H H Rosenthal & Co, Kobe

PYRETHRUM FLOWERS—500 bls, S B Penick & Co, Mombasa
125 bls, R J Prentiss & Co, Mombasa
128 bls, Greene Trading Co, Zanzibar

QUEBRACHO EXTRACT—900 bgs, International Product Corp, Buenos Aires
20 bdls, Tannin Corp, Buenos Aires
2,591 bgs, Tannin Corp, Buenos Aires

RAPESEED—236 bgs, Tampico
401 bgs, Buenos Aires

RHUBARB—108 bgs, C Itoh & Co, Tientsin

ROCK CRYSTAL—5 cs, Southern Cross Trading Co, Rio Janeiro
13 cs, National City Bank, Rio Janeiro

SAGO FLOUR—3,200 bgs, W R Grace & Co, Batavia
657 bgs, Stein, Hall & Co, Batavia
800 bgs, National Adhesive Corp, Batavia

SAPONIN—34 cs, W R Grace & Co, Valparaiso

SHEELITE CONC—155 bgs, Philipp Bros, Capetown
86 bgs, Watson, Geach & Co, Capetown

SESAME SEED—140 bgs, Levy & Levis Co, Shanghai
28 bgs, Haroco Co, Shanghai

SOAPSTOCK—1 bg, Swift & Co, Buenos Aires

COTTONSEED—84 bbls, West Texas Cotton Oil Co, Buenos Aires

SPONGES—4 bls, Schroeder & Trehayne, Nassau
12 bls, Havana
15 bls, Havana
13 bls, Havana
12 bls, Havana
4 bls, New York & Cuba Mail S S Co, Vera Cruz
9 bls, Havana
REFUSE—19 bls, Havana
5 bls, Havana

SUNFLOWER SEED—300 bgs, Agress Nut & Seed Co, Buenos Aires

SYRUP—130,165 gls, American Molasses Co, Havana

TANKAGE—1,955 bgs, H J Baker & Bros, Buenos Aires
2,192 cakes, Buenos Aires
24 bgs, Buenos Aires

TANTALITE ORE—23 bgs, Cabedello
23 bgs, Cabedello

TAPIOCA FLOUR—300 bgs, Chase National Bank, Batavia
1,000 bgs, American Cyanamid & Chem Co, Batavia
2,846 bgs, Stein, Hall & Co, Batavia
500 bgs, National Starch Prod Co, Batavia
508 bgs, American Cyanamid & Chem Co, Batavia
500 bgs, H S Cramer & Co, Batavia
500 bgs, Java American Export Co, Batavia
500 bgs, American Cyanamid & Chem Co, Batavia
500 bgs, Stein, Hall & Co, Batavia
1,100 bgs, American Cyanamid & Chem Co, Batavia
500 bgs, Rutger, Bleecker & Co, Batavia
250 bgs, Chase National Bank, Batavia
100 bgs, Stein, Hall & Co, Batavia
256 bgs, Guaranty Trust Co, Batavia
250 bgs, American Cyanamid & Chem Co, Batavia
500 bgs, Rutger, Bleecker & Co, Batavia
250 bgs, Perkins Glue Co, Batavia
1,202 bgs, Guaranty Trust Co, Batavia
1,000 bgs, Stein, Hall & Co, Batavia
250 bgs, Perkins Glue Co, Batavia
500 bgs, W R Grace & Co, Batavia
250 bgs, Stein, Hall & Co, Batavia
750 bgs, Stein, Hall & Co, Batavia
250 bgs, Sino Java Hvg, Batavia
250 bgs, Sino Java Hvg, Cheribon

TAPIOCA FLOUR—252 bgs, American Cyanamid & Chem Co, Batavia
250 bgs, Stein, Hall & Co, Batavia
250 bgs, Sino Java Hvg, Cheribon
250 bgs, American Cyanamid & Chem Co, Cheribon
500 bgs, Stein, Hall & Co, Batavia
3.8 bgs, Rutger, Bleecker & Co, Batavia
PEARL—112 bgs, Catz American Co, Cheribon
268 bgs, Catz American Co, Cheribon
TARA—272 bgs, Tannin Corp, Salaverry
280 bgs, Tannin Corp, Salaverry
TARTAR—284 bgs, Standard Brands, Inc, Lisbon
165 bgs, A Mevi, Lisbon
265 bgs, A Mevi, Lisbon
TIMBO ROOT, POWD—105 bgs, Belem
525 bgs, Belem
TIN BARRILLO—543 bgs, Philipp Bros, Arica
ORE—920 bgs, W R Grace & Co, Mollendo
TIN & WOLFRAM ORE—1,008 bgs, W R Grace & Co, Mollendo
924 bgs, W R Grace & Co, Mollendo
TOLU BALSAM—25 cs, Wessel, Duval & Co, Barranquilla
TONKA BEANS—1 ck, Kennedy, Butcher & Co, Trinidad
TUNA LIVERS—20 dms, Batavia
VALERIAN ROOT—25 bls, Peek & Velsor, Kobe
WATTLE BARK EXTRACT—656 bls, Tannin Corp, Mombasa
WAX, BEES—35 bgs, D Steengrafe, Havana
15 bgs, Geck Trading Co, Tampico
26 bgs, Muench Krueger Candle Co, Tampico
11 bgs, Olavarria & Co, Havana
11 bgs, Havana
3 crtns, R Fabien & Co, Havana
13 bgs, Havana
101 bgs, Rio de Janeiro
CANDELILLA—762 bgs, M Argueso & Co, Tampico
CARNAUBA—5 bgs, Bank of London, South America, Rio de Janeiro
33 bgs, J Henry Schroeder Banking Corp, Rio de Janeiro
76 bgs, Chase National Bank, Rio de Janeiro
60 bgs, American Cyanamid & Chemical Co, Bahia
55 bgs, Smith & Nichols, Ceara
56 bgs, Wessel, Duval & Co, Ceara
112 bgs, Rutger, Bleecker & Co, Ceara
55 bgs, W M Allison & Co, Ceara
22 bgs, A V Berner & Co, Ceara
56 bgs, Rutger, Bleecker & Co, Ceara
56 bgs, Ceara
110 bgs, Smith & Nichols, Ceara
56 bgs, Bank of London, South America, Ceara
56 bgs, American Cyanamid & Chemical Co, Ceara
56 bgs, W M Allison & Co, Ceara
55 bgs, Wessel, Duval & Co, Ceara
56 bgs, W R Grace & Co, Ceara
56 bgs, American Cyanamid & Chemical Co, Ceara
112 bgs, Smith & Nichols, Ceara
22 bgs, A Hurst & Co, Ceara
55 bgs, Wessel, Duval & Co, Ceara
55 bgs, W M Allison & Co, Ceara
56 bgs, W R Grace & Co, Ceara
22 bgs, National Bank of Philadelphia, Ceara
28 bgs, National Bank of Philadelphia, Ceara
110 bgs, Wessel, Duval & Co, Ceara
310 bgs, W M Allison & Co, Ceara
OURICURY—34 bgs, J Henry Schroeder Banking Corp, Bahia
70 bgs, Smith & Nichols, Bahia
VEGETABLE—50 cs, Smith & Nichols, Kobe
50 cs, Smith & Nichols, Kobe
WINE LEES—102 bgs, Lisbon
WOLFRAM ORE—1,500 bgs, Irving Trust Co Antofagasta
YEAST—2 cs, A Gueman, Buenos Aires

New York Transit Imports

CAMPHOR, REFD—45 cs, Norda Ltd, Kobe, Toronto
COBALT, COPPER RESID—2,300 bgs, Delore Smelting & Refg Co, Beira, Marmora, Ontario
COTTONSEED MEAL, EXTD—861 bgs, James Richardson & Sons, Ltd, Buenos Aires, Toronto
FLAXSEED—124,600 kilos, 4,984 bus, Bunge North American Grain Co, La Plata, Albany
2,996 bgs, 6,591 bus, Bunge North American Grain Co, La Plata, Albany
2,032,000 kilos, 81,280 bus, Bunge North American Grain Co, La Plata, Albany
2,032,000 kilos, 81,280 bus, Bunge North American Grain Co, La Plata, Albany
OIL, RAPESEED—294 tons, Mitsui & Co, Yokohama, Pauleboro
VANILLA BEANS—3 cs, Zink & Triest, Inc, Batavia, Phfladelphia

Baltimore Imports

CHROME ORE—3,200 tons, Santa Cruz
4,350 tons, Karachi
IRON ORE—2,700 tons, Masinloc
21,700 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—7,106 tons, Durban
8,600 tons, Rio Janeiro
OIL, COCONUT—607 tons, Cebu
515 tons, Manila
PETROLEUM, CRUDE—128,605 bbls, Standard Oil Co N J, Las Piedras
QUEBRACHO EXTRACT—2,300 bgs, Buenos Aires

Boston Imports

OIL, COCONUT—875 tons, Philippine Refg Corp, Cebu
TAPIOCA FLOUR—250 bgs, Stein, Hall & Co, Batavia
200 bgs, Stein, Hall & Co, Batavia
250 bgs, Stein, Hall & Co, Batavia
250 bgs, Catz American Co, Batavia
105 bgs, Stein, Hall & Co, Cheribon
250 bgs, Stein, Hall & Co, Cheribon
1,002 bgs, Stein, Hall & Co, Cheribon
500 bgs, Sino Java Hvg, Batavia

Charleston Imports

WAX, VEGETABLE—100 cs, Mitsubishi-Shoji-Kaisha, Kobe

Houston Imports

COTTON LINTERS—465 bls, West Texas Cotton Oil Co, Santos
236 bls, West Texas Cotton Oil Co, Santos
53 bls, West Texas Cotton Oil Co, Santos
SOAPSTOCK—508 bgs, West Texas Cotton Oil Co, Buenos Aires

Los Angeles Imports

AMMONIA PHOSPHATE—239,680 lbs, Trail
CASSIA—6,670 lbs, Hongkong
CHILIIES—5,000 lbs, Kobe
15,000 lbs, Kobe
CINNAMON—4,920 lbs, Colombo
COCONUT, DESIC—14,200 lbs, Zamboanga
COCONUTS—21,000 lbs, Colon
COPRA—51,210 lbs, Manila
MEAL—6,000 bgs, 600,000 lbs, Manila
5,210 bgs, 52,100 lbs, Manila
2,000 bgs, 200,000 lbs, Cebu
1,000 bgs, 100,000 lbs, Manila
CUMIN SEED—11,200 lbs, Bombay
DRUGS—650 lbs, Hongkong
FISH LIVERS—96 cans, 2,700 lbs, Nogales
297 tins, 11,880 lbs, Tokyo
612 tins, 24,480 lbs, Yokohama
GINGER ROOT—750 lbs, Hongkong
HERBS, ADVANCED—40 lbs, Yokohama
KEROSENE—2,200 bbls, Vladivostok
MEDICINAL PREPS—4,150 lbs, Hongkong
60 lbs, Yokohama
MUSTARD—5,330 lbs, London
OIL, LEMONGRASS—1,120 lbs, Madras
PEANUT—720 lbs, Hongkong
PALM KERNELS—6,080 bgs, 1,120,000 lbs, Penang
3,768 bgs, 672,000 lbs, Singapore
PAPAYA LEAVES—800 lbs, Colombo
PEANUTS, SHELLED—30,000 lbs, Manila
SEAWEED—400 lbs, Kobe
SOAP, TOILET—360 lbs, London
TAPIOCA—11,010 lbs, Batavia
FLOUR—1,580 lbs, Hongkong

New Orleans Imports

COCONUTS—23 tons, Puerto Cortes

Norfolk Imports

TANKAGE—983 bgs, H J Baker & Bros, Buenos Aires

Philadelphia Imports

ACID, CRESYLIC—50 dms, Bank of Manhattan Co, Liverpool
BONES—11,374 bgs, Phila National Bank Buenos Aires
13,406 bgs, Buenos Aires
BONEMEAL—1,113 bgs, Buenos Aires
CHROME ORE—4,873 tons, Loretta
1,200 tons, E J Lavino & Co, Freetown
COCOA BEANS—3,500 bgs, Bankers Trust Co, Bahia
500 bgs, Bank of London & South America, Victoria
COTTONSEED MEAL — 2,200 bgs, West Texas Cotton Oil Co, Santos
CORK, VIRGIN—2,200 bls, Armstrong Cork Co, Lisbon
WASTE—2,430 bls, Armstrong Cork Co, Lisbon
2,245 bls, Armstrong Cork Co, Lisbon
WOOD—251 bls, Armstrong Cork Co, Lisbon
2,200 bls, Armstrong Cork Co, Lisbon
CRYOLITE ORE—2,850 tons, Ivigtut
FLAXSEED—2,821 tons, Buenos Aires
GUM, COPAL—251 bskts, Phila National Bank, Macassar
224 bskts, Guaranty Trust Co, Macassar
DAMMAR—125 cs, Brown Brothers, Harriman & Co, Batavia
GLYCERIN—210 dms, Buenos Aires
LEAD ORE—1,874 tons, Tampico
MANGANESE ORE—5,200 tons, E J Lavino & Co, Takoradi
OIL, FUEL—65,645 bbls, Socony Vacuum Oil Co, Aruba
PETROLEUM, CRUDE—118,284 bbls, Gulf Oil Corp, Puerto la Cruz
107,166 bbls, Gulf Oil Corp, Puerto la Cruz
125,976 bbls, Sun Oil Co, Puerto la Cruz
104,826 bbls, Gulf Oil Corp, Las Piedras
94,239 bbls, Gulf Oil Corp, Puerto la Cruz
QUEBRACHO EXTRACT—6,515 bgs, The Tannin Corp, Buenos Aires
TANKAGE—5,063 cakes, Buenos Aires
TAPIOCA FLOUR—12,161 bgs, National City Bank of New York, Sourabaya
1,223 bgs, Batavia
250 bgs, Cheribon

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended December 11

Medicinal preparation, 12 bottles; false therapeutic claims.
Medicinal preparation, 1 package; new drug.
Nutmegs, 308 bags; restricted use.
Orange oil, 101 drums; not U.S.P.
Sesame seed, 1,200 bags; filthy.

Baltimore

Week Ended December 11

Fertilizer mixture, 9,355 bags; restricted use.

Boston

Week Ended December 11

Medicinal preparation, 1 parcel; false therapeutic claims.
Medicinal preparation, 1 parcel; not properly labeled.

Los Angeles

Week Ended December 5

Medicinals, 2,190 pieces; false therapeutic claims.

San Francisco

Week Ended December 5

Medicinal, 162 pieces; false therapeutic claims.

Seattle

Week Ended December 5

Codliver oil, 557 drums; not U.S.P.
Herb seeds, dried, 1 case; short weight.
Medicinal, 5 pieces; false therapeutic claims.

Exports from U.S. Ports

Baltimore Exports

BARIUM CHLORIDE—23,850 lbs, Port Natal
CALCIUM CHLORIDE—110,000 lbs, Buenos Aires
LITHOPONE—44,000 lbs, Rio Janeiro
PINETAR—1,936 lbs, Port Elizabeth; 4,840 lbs, Port Elizabeth
POLISH—2,272 lbs, Port Natal; 2,184 lbs, Port Natal; 520 lbs, Port Natal
UREA—20,000 lbs, Rio Janeiro

Los Angeles Exports

ACID, BORIC—226 bgs, 25,310 lbs, Liverpool; 9,000 bgs, 1,008,000 lbs, Liverpool
CITRIC—100 lbs Yokohama; 100 lbs, Tokyo
NAPHTHENIC—95 dms, 23,940 lbs, Liverpool
BORATE—14,418 bgs, 2,236,360 lbs, Liverpool; 1,800 bgs, 340,780 lbs, Liverpool
BORAX—2,000 bgs, 224,000 lbs, Shanghai; 540 bgs, 54,000 lbs, Dairen; 1,350 bgs, 223,120 lbs, Osaka
BROMINE, LIQ—16,030 lbs, Liverpool
CEMENT, RUBBER—390 lbs, Panama
CLAY, FILTER—400 sks, 20,160 lbs, Barranquilla
CLEANER—50 lbs, Manila
DIATOMACEOUS EARTH—70 bgs, 7,000 lbs, Puerto Cortez
FILM SCRAP—610 lbs, Shanghai
GASOLINE—13,554 bbls, Balboa; 10,502 bbls, Colon; 2,813 bbls, Valparaiso
INSECTICIDE, LIQ—1,000 lbs, Manila
KEROSENE—2,123 bbls, Balboa
LACQUER—4,330 lbs, Manila; 310 lbs, San Juan
THINNER—11,360 lbs, Manila; 2,640 lbs, San Juan
MAGNESIA SILICATE—4,500 lbs, Buenaventura
MEDICINAL PREPS—310 lbs, Manila
METHYL CHLORIDE — 3 cyls, 180 lbs, Shanghai
MINERAL SPTS—15 dms, Panama; 45 dms, Balboa
OIL, DIESEL—57,052 bbls, Osaka; 3,884 bbls, Coquimbo; 12,911 bbls, Bolivia; 3,494 bbls, Chanaral; 5,004 bbls, Taltal
FUEL—39,153 bbls, Osaka; 40,060 bbls, Cruz Grande; 12,813 bbls, Taltal
GAS—103,203 bbls, Aruba
LUBRICATING—1,002 dms, Dairen
PALM, HYDROG—250 bgs, 40,000 lbs, Manila
PAINT—1,440 lbs, Manila; 140 lbs, Balboa
PETROLEUM, CRUDE—1,482 bbls, Valparaiso
POTASH SULPHATE—2,500 bgs, 499,520 lbs, San Juan
PUTTY—2,000 lbs, Balboa
SODA, ARSENITE, POWD — 2,500 lbs, Guayaquil
ASH—80,200 lbs, Manila; 10,000 lbs, Buenaventura
TAPIOCA—40 lbs, Shanghai
TOILET PREPS—1,420 lbs, Hongkong; 390 lbs, Manila; 650 lbs, Manila; 540 lbs, San Juan

New Orleans Exports

ACID, STEARIC—23 tons, Vera Cruz
ALUMINUM SULPHATE—20 tons, Barranquilla
ASPHALT—45 tons, Belize; 35 tons, Cristobal
BARYTES—26 tons, Havana
CLAY, BLEACHING—23 tons, Cristobal
GASOLINE—14 tons, Havana; 76 tons, Belize; 12 tons, Puerto Barrios
AVIATION—85 tons, Puerto Barrios
GLUCOSE—27 tons, Havana
GRITS, BREWERS REFD—20 tons, Santiago
KEROSENE—49 tons, Belize
LARD—10 tons, Havana; 115 tons, Santiago; 16 tons, Belize; 54 tons, Barranquilla; 27 tons, Cartagena; 8 tons, Panama City; 26 tons, West Coast South America
LIME—135 tons, Puerto Barrios
LUBRICANTS—39 tons, Vera Cruz
OIL, COTTONSEED—10 tons, Havana
DIESEL—39 tons, Belize
GAS—10 tons, Belize
LUBRICATING—19 tons, Kingston; 14 tons, Cristobal; 187 tons, West Coast South America
PINE—6 tons, West Coast South America
PARAFFIN—16 tons, Cristobal; 10 tons, Puerto Barrios; 23 tons, West Coast South America
PETROLEUM, REFD—95 tons, Puerto Barrios
ROSIN—69 tons, Cristobal; 19 tons, Barranquilla; 15 tons, Cartagena; 114 tons, West Coast South America
SALT—151 tons, Havana; 44 tons, Cristobal; 22 tons, Belize
STEARIN—11 tons, Tampico
SULPHUR—103 tons, Vera Cruz
WAX—28 tons, Vera Cruz

Philadelphia Exports

BENZOL—70 dms, Pernambuco; 15 dms, Rio de Janeiro
CLEANER—4 dms, Buenos Aires
DYEWOOD EXTRACT—12 bbls, 2 dms, Rio de Janeiro
GREASE, LUBRIC—30 bbls, Pernambuco; 50 cs, 8 bbls., Maceio
KEROSENE—8,000 cs, Bahia; 8,000 cs, Ceara; 65 cs, 120 dms, Pernambuco; 200 cs, Leticia
LEATHER FINISHING COMP—2 bbls, Buenos Aires
OIL, LUBRIC—135 dms, 383 cs, Montevideo; 12 dms, Telok Betong; 30 dms, Penang; 25 ctns, 72 dms, 10 cs, Macelo; 2,329 dms, Suez
RESIN, VARNISH—9 bbls, 3 dms, Montevideo
SPIEGELEISEN—50 tons, Sourabaya
TANNING EXTRACT—18 dms, Rio de Janeiro

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—60,750 bbls, Seattle; 63,492 bbls, Seattle; 1,105 bbls, San Diego; 3,912 bbls, San Diego; 5,341 bbls, Tacoma; 6,097 bbls, Tacoma; 8,770 bbls, Tacoma; 10,384 bbls, Tacoma; 60,947 bbls, Portland; 30,497 bbls, San Francisco; 2,677 bbls, San Diego; 2,914 bbls, San Diego; 45,030 bbls, Seattle
KEROSENE—2,728 bbls, Seattle
OIL, DIESEL—1,879 bbls, Seattle; 9,978 bbls, Seattle; 1,456 bbls, San Diego; 6,393 bbls, Tacoma; 6,461 bbls, Tacoma; 14,612 bbls, Portland; 6,958 bbls, San Francisco; 1,461 bbls, San Diego; 32,088 bbls, Seattle
FUEL—68,118 bbls, Portland; 102,741 bbls, Richmond; 2,442 bbls, Portland; 47,447 bbls, Seattle; 103,925 bbls, Richmond
FURNACE—5,487 bbls, Portland; 6,438 bbls, Tacoma; 74,038 bbls, New York

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Carob Beans:—Algeria prohibits the exportation of carob beans.

Cinnamon Oil:—Ceylon has subjected to license exports of cinnamon oil.

Clove Oil:—Ceylon has restricted to license exports of clove oil.

Flaxseed: — Argentine government will purchase the flaxseed crop at 9.25 pesos per quintal, delivered Buenos Aires, beginning December 1.

Parcel Post:—Parcel post service from the United States to French West African territories of French Sudan has been suspended until further notice.

Perfumes: — Canada prohibits the importation of perfumes.

Saltcake production in Canada rose from 63,009 tons in 1938 to 71,485 tons in 1939.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item.—

Ammonia sulphate:—Cairo, Egypt; purchase (506).
Chemicals, fine and insutrial:—Medan, Sumatra, N. I.; purchase (507).

Swiss Merchandise for U.S. To Leave Genoa Monthly

Great Britain and Italy have agreed to permit one steamship a month to leave the harbor of Genoa, Italy, with Swiss merchandise destined for the United States, it was learned from sources close to the governments, although official confirmation was lacking. The registry of this ship has not been disclosed but since ships afloat have been already registered under the Swiss flag, it maybe that the monthly carrier of Swiss products to the United States will fly that flag.

If maintained, the service will bring needed Swiss products to the United States in quantities larger than has been possible of late by air transport. It is no longer possible to ship by air mail, but parcel post shipments via transoceanic clippers continues. Swiss medicinal and aromatic chemical products, needed here in substantial quantities, would benefit by the new arrangement for steamer passage with the approval of British and Italian authorities.

Pan American Union Plans Aid to U.S. Business Men

Due to the steadily increasing requests for information of inter-American affairs and the rapidly growing interest in South and Central America on the part of the United States business men, the Pan American Union, Washington, D. C., has arranged to make all its publications available at the Office of the Colonial Trust Company, United States Rubber Company Building, Rockefeller Plaza, this city. Facilities will also be provided whereby requests for additional trade information on the Americas will be received at that office and transmitted to Washington for prompt attention.

A.P.M.A. Discusses Research and Defense

—Continued from page 5

necessary understanding on the part of those intrusted with the administration of laws regulative of drug standards.

The scientific award was presented to Dr. Long by Dr. Charles E. Vanderkleed, scientific director of the McNeil Laboratories. Dr. Vanderkleed dwelt particularly upon the broad, comprehensive concept of research which was essential to its proper development through industrial recognition and scientific participation. He traced this development from fundamentals of research through its three practical applications in production, clinical experimentation, and eventual proving in practice the value of a drug.

In his acceptance of the award Dr. Long departed from his usual devotion of the sulphanilamide group of medicinal chemicals to talk about the possibilities in the development of better cooperative relationships between the pharmaceutical industry and the research facilities of medical schools and hospitals. He outlined a scheme of practical usefulness and presented evidence of a sound commonsense understanding of accomplished and potential developments. Dr. Long's address is of such informative value in connection with all aspects of cooperative research that it is printed in full elsewhere in this issue.

National Defense

Timely information on the principal aspects of the national defense program was made available in the session devoted to that subject. This session was under the direction of Lieut. Colonel C. F. Shook, of the medical corps, who is chairman of the Medical Supplies Committee of the Commodities Division of the Army and Navy Munitions Board. Colonel Shook pointed out that while every effort would be made to avoid piling up of excessive reserves it was quite likely that three billion dollars would be spent for drugs and other related supplies in the defense program. A charted outline of the functioning of the Council on National Defense and the Army and Navy Munitions Board was presented by Major C. V. Morgan, of the medical corps, who is a director in the commodities division.

Commander C. L. Andrus, naval chairman of the medical supplies committee, Army and Navy Munitions Boards, gave information on the methods by which such supplies are obtained for naval use and how prospective or potential suppliers may keep informed through the bureau of supplies and accounts.

Carson P. Frailey, chairman of the Drug Resources Advisory Committee of the Army and Navy Munitions Board, explained the duties of that group and told how it had been developed over a number of years from the beginning of functioning under the mobilization act. The work of the committee he pointed out was as much directed to facilities as to materials in providing current information of resources.

J. C. Nichols, director of the miscellaneous equipment division of the Advisory Commission to the Council of National Defense, stated that the defense program was getting gratifying cooperation from industries of all lines and was also getting action and making progress in the providing of the materials deemed necessary for defense.

Inspector Lee R. Pennington, of the Federal Bureau of Investigation, told of the bureau's activities to prevent disruption of operation through sabotage or other subversive influences. He pointed out some of the minor carelessnesses in industrial housekeeping which might lead to obstructive accidents, and he told of the information which the FBI has available for manufacturers desiring to avoid interferences of various sorts with operating activities.

Carle M. Bigelow, director of the pharmaceutical department of the Calco Chemical Division of the American Cyanamid Company, who is assisting the British Purchasing Commission in the purchasing of pharmaceuticals and related products, outlined the nature of this work and the commission's general functions. The needs in respect to pharmaceuticals to him seem to lie in the direction of the British Dominions, not in the British Isles insofar as supplies from the United States might be concerned. Indications drawn from wants, not orders in most cases, expressed from various parts of the British Empire to the commission are that more or less interest exists with respect to the following materials:—

Standard Pharmaceuticals

Acids—Acetic, acetylsalicylic, ascorbic, boric citric, mandelic, salicylic, tannic.
Ammonium carbonate and chloride.
Barium sulphate.
Bromides of ammonium, potassium, sodium.
Calcium chloride, lactate, gluconate, sulphate.
Carbon tetrachloride.
Chloral hydrate.
Creta praeparata (prepared chalk).
Dextrose.
All the salts of mercury.
Iodine.
Salts of gold.
Paraldehyde.
Liquid paraffin.
Pituitary extracts.
Potassium iodide and permanganate.
Quinidine.
Quinine and salts.
Sodium bicarbonate, citrate, iodide, acid phosphate, and salicylate.
Sulphur, precipitated and resublimed.
Urea.

Botanicals

Acacia gum.
Belladonna.
Cascara bark and extracts.
Colchicum seeds and corn.
Ergot.
Filix mas (malefern).
Ipecac.
Rhubarb.
Santonin.
Senna.
Stramonium leaves.
Senega root.
Gum benzoin.

Ethical Specialties

Oral and intramuscular liver preparations.
Wide range of arsenicals.
Wide range of barbituric acid derivatives.
Procaine hydrochloride, benzocaine and analogous local anesthetics.
Digitalis preparations.
Ephedrine preparations.
Hormones.
Diuretic preparations.
Radio-opaque preparations.
Vitamins in practically all forms.
Epinephrine.
Sulphanilamide and derivatives.

Narcotics

Cocaine and salts.
Morphine and salts.
Opium and preparations.

Alkaloids

Atropine and salts.
Colchicine.
Emetine and salts.
Eserine (physostigmine).
Homatropine and salts.
Hyoscyamus.
Hyoscine and salts.

The shortage of alkaloids, due to difficulty in importing raw materials is indicated by a recent news release covering the request of the Ministry of Health that consideration be given to the possibility of growing belladonna, digitalis, menbane, and stramonium in the kingdom.

Medicinal Dyes

Acriflavin.
Euflavin.
Proflavin.
Fluorescin.
Indigo carmine.

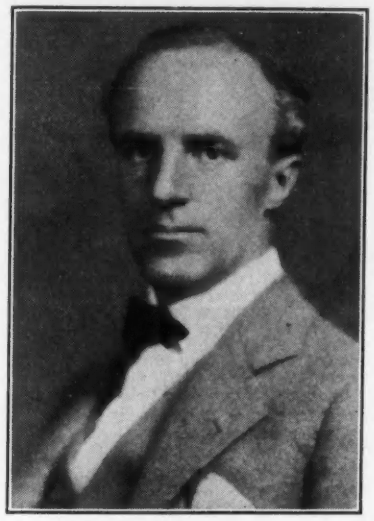
Oils

Castor.
Anise.
Cloves.
Peppermint.

This session was closed with a discussion of the national economy and various factors contributing thereto by Leon Henderson, commissioner in charge of the price stabilization division, Advisory Commission to the Council of National Defense. Mr. Henderson expressed a preference for influences other than control as a means of correcting any price regularities which might be met. It was his feeling that more could be accomplished by avoiding limitations and even getting rid of those that already existed. It was his theory that no reason existed and none was to be expected for seriously disturbing price inflation unless those of influence wanted inflation.

Food and Drug Law

Dr. Durrett spoke particularly with reference to new drugs in his talk on the food, drug, and cosmetic law, reciting the experiences of the Food and Drug Administration in connection with the several thousand applications received under that section of the law. He emphasized the greater desirability of quality than of quantity in data submitted with reference to the products. He advised regard for the necessity of getting supporting data from those really qualified to do this, and he pointed out that the expert who signs the contributed data must be the one who has actually done the work. Dr. Durrett said that the purpose in enforcement of the new drug section was to avoid unnecessary delay in making safe drugs available to the public. The Food and Drug Administration, he said, could not function until all the necessary preliminary work has been done and the records thereof laid before it. He urged that manufacturers endeavor to have these records complete and sound and to keep in mind always that the aim in the production of drugs is that those that are sick may be made well and that those that are well may not get sick.



Charles Wesley Dunn
A.P.M.A. General Counsel

He made the point that some changes of policy have been necessitated by experiences with new drug applications. He declared that every use for which a new drug is intended must be a safe one and must be submitted and approved, and he cited some examples of the distribution of supplementary data even when such uses had not been approved.

Dr. Durrett spoke somewhat at length on the labeling of drugs which are dangerous for one reason or another and expressed the hope in this connection that, departing from certain practices with respect to the use of cautionary labeling, efforts be made for greater and closer cooperation with the medical profession for the attainment of a high order of medical practice.

Mr. Dunn's discussion of the food, drug, and cosmetic act was directed to the aspects of regulatory powers provided and applied under that law. He pointed out the extensive degree to which administrative construction is required and to which discretionary exercise of regulatory powers is provided for. He treated the regulatory aspects in two broad classes. The first under section 701(a) of general administrative character; the other group of regulations being those which are provided in a number of sections that have to do with specific and narrower applications of the law.

Mr. Dunn outlined the customary official procedure in the exercising of regulatory powers and explained the provisions which have been made for the challenging of their validity in court actions including application of the declaratory judgment act. He concluded as follows:—

In conclusion, the foregoing analysis of the power of regulation under the Federal food, drug and cosmetic act establishes that I did not overstate the case when I said, at the beginning of this address: the fundamental fact about this act, from an industrial standpoint, is that its administration involves the discretionary exercise of vast regulatory powers. A fact sharply distinguishing this act from the parallel Federal Trade Commission act, which operates on a non-regulatory basis.

We cannot now say how far these powers will be exercised; or with what ultimate industrial or consumer effects. But we can say at this time that their exercise is potential for far-reaching significance, with respect to both food habits and the practice of medicine by drug use in this country. We can also say that the existence of these powers creates a consequent and great public responsibility duly to exercise them. Furthermore the very circumstance that this act has created such vast powers of administrative control over food and drug manufacture has raised the office of Food and Drug Commissioner far above a technical enforcement level. For it has manifestly elevated this office to the plane of a statesmanlike approach to the fundamental problems of food and drug manufacture, and to a constructive interest in their best solution for the benefit of all concerned.

In addition to the reports of various committees at session of the research board, reports were made by the secretary and the treasurer. There was also a report for the membership committee, by Floyd K. Thayer, that the United Drug Company, Boston, had been enrolled as an active member.

The committee on sales and advertising had a luncheon session under the direction of James P. Rodgers, of the Pitman-Moore Company, at which plans were discussed for the regional meetings to be held in Chicago and New York. The consensus favored the use of a program of the "Information Please" type at the meetings; and probably the exhibition of a motion picture. Developments of details are to be carried out under the direction of Mr. Rodgers and Harry C. Phibbs, advertising counsellor, Chicago.

Antitrusts Court Asked in TNEC Report

OPD Washington Bureau
December 12, 1940

Regulations requesting Federal legislation to provide new machinery for more efficient enforcement of the Sherman act and the anti-trust laws were recommended in a monograph submitted to the Temporary National Economic Committee entitled "Anti-trust in Action."

The report, made public by Senator Joseph C. O'Mahoney, chairman of the committee, was prepared by Walton Hamilton, professor of law, Yale University Law School and adviser to the antitrust division of the Department of Justice, and Miss Irene Till. The monograph recommends to Congress the enactment of legislation to:—

Create an industrial court of five or seven members, with power to hear and act on all litigation to be brought by the Federal government involving the Sherman act and other anti-trust laws.

Authorize the power of subpena to the Department of Justice.

Provide heavier civil penalties for anti-trust violations, similar to the O'Mahoney-Hobbs civil remedies bill offered at the last session of Congress.

Authorize larger appropriations for the anti-trust division so that it can more effectively police on a National scale all violations of the anti-trust laws.

Copies of this report, TNEC monograph No. 16, may be purchased from the Superintendent of Documents, Government Printing Office.

Plastic Uses to Be Exhibited By Department of Commerce

OPD Washington Bureau
December 11, 1940

An extensive exhibit of modern plastics will be on view in the lobby of the Department of Commerce building from December 16 through February 1, 1941. A feature of the opening day's ceremonies will be a presentation by professional models of fashions in plastic clothing. Novel uses of plastic material will be illustrated in items ranging from football helmets to a complete plastic baby carriage.

Representative of 1940 technical, scientific and industrial advances in the plastic industry will be exhibits in the fields of architecture, business and office equipment, communications, decorators' accessories, furniture, household appliances, lighting, machinery appliances, novelties, scientific apparatus, sporting goods, games and toys, transportation and specialties.

John R. Anderson, of Ralli Brothers, shellac importer, this city, has returned to business after an illness of several weeks.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 261, Oil, Paint and Drug Reporter.

EXPERIENCED AGENT, seeks lines essential oils, aromatics, extracts, chemicals and cosmetic raw materials. Chicago and Middle West. Protestant, married, available January 1. BOX 273, Oil, Paint and Drug Reporter.

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FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

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FIND what you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street, SPring 7-8955.

FOR SALE: Two J. H. Day 62-inch improved putty chasers. One 70-inch J. H. Day improved chaser, over-drive, complete with motors. Devoe & Raynolds, Inc. P.O. Box 328, Louisville, Ky.

FOR SALE: Proctor 2 truck dryer; jar mills, new, one and four gallon; pebble mills, 25-50-100 gallons; 18 inches Sperry cast iron plate and frame filter press; Day powder mixers. Lawler Company, Metuchen, N. J.

BUILDINGS BEING wrecked:—Must sell at once, Pittsburgh area—four Abbe 4 feet 6 inches by 3 feet 6 inches motor driven; two Abbe 3 feet by 3 feet 6 inches pulley driven; one Abbe 30 inches by 24 inches, pulley driven; procelain lined pebble mills with porcelain balls. BOX 278, Oil, Paint and Drug Reporter.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixers, pulverizer. No dealers. BOX 260, Oil, Paint and Drug Reporter.

WANTED—Colton or Stokes tablet machines all types. If you have one, please give full details as well as your present asking price. BOX 277, Oil, Paint and Drug Reporter.

Factories Wanted

LOOKING for a small paint factory or building, suitable two stories, if possible in the vicinity of New York City. Please give description as to size, location, rent, etc. BOX 251, Oil, Paint and Drug Reporter.

Investment Wanted

WANTED to buy interest in paint factory. Have large outlet for paints, lacquers and specialties. BOX 275, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

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FOR RENT—Former chemical plant unit 90 by 115, acid proof floor with drain fume exhaust system, laboratory office, live steam available, A.C. and D.C. current. Unrestricted district, lower Manhattan. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

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MAN experienced for small paint and lacquer plant wanted. BOX 276, Oil, Paint and Drug Reporter.

EXPERIENCED PAINT formulator wanted familiar with development of all types of mill white. BOX 279, Oil, Paint and Drug Reporter.

SPECIALTY SALESMEN or representatives—coast to coast—to sell established line of synthetic detergents and textile finishes—to jobbers, chemical manufacturers and textile mills. Exceptional commission basis. Protected territory. Only men with chemical experience and following need apply. BOX 280, Oil, Paint and Drug Reporter.

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VARNISH CHEMIST—Thirty years experience and manipulator of varnishes for paints, enamels and self gums, chinawood varnishes, phenolics, maleic and alkyd resins, research and economical formulator, seeks position. Moderate salary. Vicinity New York City. BOX 281, Oil, Paint and Drug Reporter.

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Virginia Pure Paint Law Regulations Issued

—Continued from page 4

In case varnish is used as the vehicle in outside gloss paints:—

Volatile	%
Non-volatile	%
	100.0%

The composition of the paint by weight may also be shown as follows:—

Basic carbonate-white lead	%
Zinc oxide	%
Titanium calcium	%
Linseed oil	%
Volatile and drier	%
	100.0%

Aluminum paints, if recommended for exterior use on buildings, fences and structures, shall state on the label the percent and type of aluminum pigment, and the percent volatile and non-volatile in the vehicle.

Terms:—The terms used to designate raw materials used in paint manufacture should be those adopted by the A.S.T.M., Federal specifications, National Bureau of Standards, National Paint, Varnish and Lacquer Association, or any other recognized authoritative National Association; as these terms show the exact character of each type of raw material employed.

If a trade name is used it must be a nationally known specific chemical compound or mixture, otherwise the chemical composition shall be stated on the label.

Example 1. The term white lead is not satisfactory; use either basic carbonate-white lead, corresponding to A.S.T.M. D-81, or basic sulfate-white lead, corresponding to A.S.T.M. D-82, or a mixture of the two giving the percentage of each.

Example 2. The term titanium pigment or titanium white is not a specific chemical compound and should not be used; instead use for example titanium barium (class A or B), titanium calcium, etc., in accordance with A.S.T.M. D-476.

Example 3. The term zinc sulfide pigment is not specific; use the terms in compliance with A.S.T.M. D-477, or state the percent of zinc sulfide.

This department has decided to allow the following tolerances in paint analysis:—

Pigment and vehicle, cube root of the percent claimed.

Volatile portion of vehicle, cube root of the percent claimed.

Individual ingredients in pigment, cube root of the percent claimed.

Water in excess of 0.5 percent shall be declared on the label as water, not in any other term.

If a label declares a minimum or maximum of any constituent, no tolerance below the minimum or above the maximum declared will be allowed.

If tinting colors are used in percentages of 5 or less they need not be declared on the label; however, if over 5 percent tinting material is added, the percent and the chemical or trade name of each tint must be stated on the label. It is readily apparent that on the addition of 5 percent or less tinting material to a white base paint for example, no change in the label would be required other than the statement that necessary pure tinting colors were added.

The Virginia pure paint law is interpreted as covering the following items:—turpentine and linseed oil sold as such; all outside house and building paints, and paints recommended by the manufacturer for use on exteriors of buildings, fences and structures, including aluminum, bronze and casein paints when so recommended; all roof paints, except those which are known as roof coatings and roof cements; all fence and barn paints; all paints for use on the exterior of cement, stucco and brick; and pigmented primers and scalers recommended for exterior use.

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12—Vacuum Shelf Dryers, all sizes.
1—Zaremba Triple effect Evaporator, 2,100 sq. ft. per effect.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2,000 gal.
7—3-roll Roller Mills, up to 16 by 40.
1—6' underdriven Putty Chaser, double rollers.
1—5' by 22" Hardinge Conical Ball Mill.
12—Ball Mills, 10 gal. to 500 gal.
2—Shriver 32 in. x 32 in. castiron Filter Presses, recessed, center feed, 30 plates; other sizes from 7" x 7" to 42" x 42".
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.
1—700 gal. Duriron jacketed Kettle.
1—Day 80 gal. Brighton Change Can Mixer.
1—No. 10 Sweetland Filter, 2" c.c.; others all sizes.
14—Centrifugal Extractors, 16" to 60".

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4—Patterson 1000 gal. Mixing Tanks
8—Ross 26" Stone Mills, iron feeders

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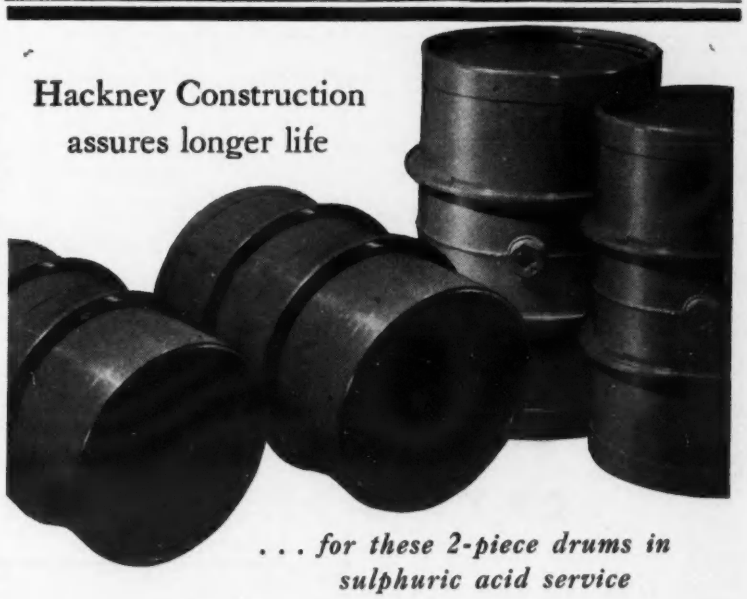

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